



TEST REPORT

Report Number. : 13259315-E8V6

Applicant : APPLE, INC
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A2341

FCC ID : BCG-E3545A

EUT Description : SMARTPHONE

Test Standard(s) : FCC CFR47 PART 22H, 24E, 27, 90S, 90R, AND 96

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	9/16/2020	Initial Review	Mengistu Mekuria
V2	9/18/2020	Address TCB Questions	Mengistu Mekuria
V3	9/21/2020	Address TCB Questions	John Thompson
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V5	9/25/2020	Address TCB Questions	Sintia Andrean
V6	9/29/2020	Updated section 5.5, Added 20MHz Power and OBW for 5G NR Band 41, updated OBW tables to include BPSK for all 5G NR Bands.	Sintia Andrean

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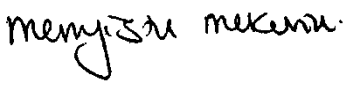
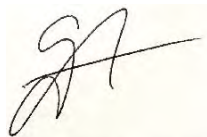
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A2341	
FCC ID	BCG-E3545A	
EUT Description	SMARTPHONE	
Serial Number	MODEL (A2341): C07018700XDPRW02 (Conducted) and G6TCQ02MQ5WF (Radiated)	
Date Tested	APRIL 21, 2020 to SEPTEMBER 29, 2020	
Applicable Standards	FCC CFR47 22H, 24E, 27, 90S, 90R, AND 96	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of the U.S. government.		
Approved & Released By:	Reviewed By:	Prepared By:
		
Mengistu Mekuria Lead Test Engineer UL Verification Services Inc.	Glenn Escano Project Engineer UL Verification Services Inc.	Sintia Andrean Laboratory Engineer UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following:

- ANSI C63.26:2015
- FCC CFR 47 Part 2, Part 22, Part 24, Part 27, Part 90, and Part 96
- [FCC KDB 971168 D01 v03r01](#): Power Meas License Digital Systems
- [FCC KDB 971168 D02 v02r01](#): Misc Rev Approv License Devices
- [FCC KDB 412172 D01 v01r01](#): Determining ERP and EIRP

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, and 47658 Kato Road, Fremont, California, USA. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street	47658 Kato Rd.
☒ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)	☐ Chamber I (IC: 2324A-5)
☒ Chamber B (IC:2324B-2)	☐ Chamber E (IC:22541-2)	☐ Chamber J (IC: 2324A-6)
☐ Chamber C (IC:2324B-3)	☐ Chamber F (IC:22541-3)	☐ Chamber K (IC: 2324A-1)
	☐ Chamber G (IC:22541-4)	☐ Chamber L (IC: 2324A-3)
	☐ Chamber H (IC:22541-5)	☐ Chamber M (IC: 2324A-2)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code: 2324A.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.39 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.07 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.17 dB
Occupied Channel Bandwidth	±0.39 %
Temperature	±0.9 °C
Supply voltages	±0.45 %
Time	±0.02 %

Uncertainty figures are valid to a confidence level of 95%.

4.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with multimedia functions (music, application support, and video), cellular GSM, GPRS, EGPRS, UMTS, LTE, 5G, CDMA, IEEE 802.11a/b/g/n/ac/ax, Bluetooth, Ultra-Wideband, GPS, NFC and WPT. All models support at least one UICC based SIM. The second SIM is either an UICC based p-SIM (physical SIM) or e-SIM (electronic SIM). The device supports a built-in inductive charging transmitter and receiver. The rechargeable battery is not user accessible.

5.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers as follows:

LTE BAND 2

Part 24 / RSS 133								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)		0.90						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1850.7	1909.3	25.0	25.90	0.389	1084.6	1M08G7W
	16QAM			24.3	25.20	0.331	1082.1	1M08D7W
3.0	QPSK	1851.5	1908.5	25.0	25.90	0.389	2684.5	2M68G7W
	16QAM			23.9	24.80	0.302	2.6829	2K68D7W
5.0	QPSK	1852.5	1907.5	25.0	25.90	0.389	4508.2	4M51G7W
	16QAM			24.1	25.00	0.316	4498.2	4M50D7W
10.0	QPSK	1855.0	1905.0	25.0	25.90	0.389	8934.9	8M93G7W
	16QAM			24.1	25.00	0.316	8977.9	8M98D7W
15.0	QPSK	1857.5	1902.5	25.0	25.90	0.389	13410.2	13M4G7W
	16QAM			24.1	25.00	0.316	13380.9	13M4D7W
20.0	QPSK	1860.0	1900.0	25.0	25.90	0.389	17838.7	17M8G7W
	16QAM			24.6	25.50	0.355	17858.5	17M9D7W

LTE BAND 5

Part 22H								
ERP Limit (W)		7.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.7	18.55	0.072	1080.3	1M08G7W
	16QAM			25.0	17.85	0.061	1085.7	1M09D7W
3.0	QPSK	825.5	847.5	25.7	18.55	0.072	2683.1	2M68G7W
	16QAM			25.1	17.95	0.062	2686.6	2M69D7W
5.0	QPSK	826.5	846.5	25.7	18.55	0.072	4504.3	4M50G7W
	16QAM			25.3	18.15	0.065	4493.4	4M49D7W
10.0	QPSK	829.0	844.0	25.7	18.55	0.072	8943.9	8M94G7W
	16QAM			25.1	17.95	0.062	8970.7	8M97D7W

5G NR Band n5

Part 22H								
ERP Limit (W)		7.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
15.0	QPSK	831.5	841.5	25.7	18.55	0.072	13475	13M5G7W
	16QAM			24.6	17.45	0.056	13467	13M5D7W
20.0	QPSK	834.0	839.0	25.7	18.55	0.072	17884	17M9G7W
	16QAM			24.8	17.65	0.058	17856	17M9D7W

LTE BAND 7

Part 27 / RSS 199								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)		-0.20						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2502.5	2567.5	25.0	24.80	0.302	4493.9	4M49G7W
	16QAM			24.2	24.00	0.251	4502.8	4M50D7W
10.0	QPSK	2505.0	2565.0	25.0	24.80	0.302	8974.5	8M97G7W
	16QAM			24.5	24.30	0.269	8947	8M95D7W
15.0	QPSK	2507.5	2562.5	25.0	24.80	0.302	13401	13M4G7W
	16QAM			24.1	23.90	0.245	13409	13M4D7W
20.0	QPSK	2510.0	2560.0	25.0	24.80	0.302	17803.5	17M8G7W
	16QAM			24.8	24.60	0.288	17840	17M8D7W

LTE BAND 12

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	699.7	715.3	25.7	18.55	0.072	1078.8	1M08G7W
	16QAM			24.8	17.62	0.058	1082.3	1M08D7W
3.0	QPSK	700.5	714.5	25.7	18.55	0.072	2684.9	2M68G7W
	16QAM			24.8	17.62	0.058	2685.7	2M69D7W
5.0	QPSK	701.5	713.5	25.7	18.55	0.072	4489.8	4M49G7W
	16QAM			24.8	17.64	0.058	4485.1	4M49D7W
10.0	QPSK	704.0	711.0	25.7	18.55	0.072	8931.9	8M93G7W
	16QAM			24.7	17.53	0.057	8946.2	8M95D7W

5G NR Band n12

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
15.0	BPSK	706.5	708.5	25.7	18.55	0.072	13453	13M5G7W
	16QAM			24.6	17.43	0.055	13488	13M5D7W

LTE BAND 13

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-5.30						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	779.5	784.5	25.7	18.25	0.067	4487.3	4M49G7W
	16QAM			25.3	17.85	0.061	4494.2	4M49D7W
10.0	QPSK	782.0	782.0	25.7	18.25	0.067	8939.6	8M94G7W
	16QAM			24.9	17.45	0.056	8917.9	8M92D7W

LTE BAND 14

Part 90R / RSS 140								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-5.50						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	790.5	795.5	25.7	18.05	0.064	4489.3	4M49G7W
	16QAM			25.2	17.55	0.057	4491.5	4M49D7W
10.0	QPSK	793.0	793.0	25.7	18.05	0.064	8957.2	8M96G7W
	16QAM			24.9	17.25	0.053	8985.5	8M99D7W

LTE BAND 17

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	706.5	713.5	25.7	18.55	0.072	4495.8	4M50G7W
	16QAM			25.3	18.15	0.065	4487.4	4M49D7W
10.0	QPSK	709.0	711.0	25.7	18.55	0.072	8935	8M94G7W
	16QAM			25.2	18.05	0.064	8945	8M95D7W

LTE BAND 25

Part 24 / RSS 133								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)		0.90						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1850.7	1914.3	25.0	25.90	0.389	1080.5	1M08G7W
	16QAM			24.2	25.10	0.324	1086.9	1M09D7W
3.0	QPSK	1851.5	1913.5	25.0	25.90	0.389	2962.2	2M96G7W
	16QAM			23.9	24.80	0.302	2685.8	2M69D7W
5.0	QPSK	1852.5	1912.5	25.0	25.90	0.389	4493.7	4M49G7W
	16QAM			24.0	24.90	0.309	4490.7	4M49D7W
10.0	QPSK	1855.0	1910.0	25.0	25.90	0.389	8948	8M95G7W
	16QAM			24.1	25.00	0.316	8940.3	8M94D7W
15.0	QPSK	1857.5	1907.5	25.0	25.90	0.389	13428.9	13M4G7W
	16QAM			24.0	24.90	0.309	13411.9	13M4D7W
20.0	QPSK	1860.0	1905.0	25.0	25.90	0.389	17854.6	17M9G7W
	16QAM			24.0	24.90	0.309	17861.7	17M9D7W

LTE BAND 26 (FCC Part 90S)

Part 90S								
Conducted Limit (W)		100.00						
Antenna Gain (dBi)		-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	814.7	823.3	25.7	18.55	0.072	1093.8	1M09G7W
	16QAM			25.1	17.95	0.062	1083.4	1M08D7W
3.0	QPSK	815.5	822.5	25.7	18.55	0.072	2687	2M69G7W
	16QAM			24.9	17.75	0.060	2680.2	2M68D7W
5.0	QPSK	816.5	821.5	25.7	18.55	0.072	4491.3	4M49G7W
	16QAM			24.9	17.75	0.060	4493.2	4M49D7W
10.0	QPSK	819.0	819.0	25.7	18.55	0.072	8946.3	8M95G7W
	16QAM			24.9	17.75	0.060	8931.8	8M93D7W

LTE BAND 30

Part 27 / RSS 195								
EIRP Limit (W)		0.25						
Antenna Gain (dBi)		-0.20						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2307.5	2312.5	23.7	23.50	0.224	4499.9	4M50G7W
	16QAM			22.9	22.65	0.184	4487.8	4M49D7W
10.0	QPSK	2310.0	2310.0	23.7	23.50	0.224	8939.9	8M94G7W
	16QAM			22.8	22.63	0.183	8918.5	8M92D7W

LTE BAND 41 (NS04)

Part 27								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)		-0.20						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	2498.5	2687.5	26.0	25.80	0.380	4495.9	4M50G7W
	16QAM			25.3	25.13	0.326	4495	4M50D7W
10.0	QPSK	2501.0	2685.0	26.0	25.80	0.380	8931	8M93G7W
	16QAM			25.7	25.46	0.352	8923.6	8M92D7W
15.0	QPSK	2503.5	2682.5	26.0	25.80	0.380	13410.1	13M4G7W
	16QAM			25.5	25.34	0.342	13428.5	13M4D7W
20.0	QPSK	2506.0	2680.0	26.0	25.80	0.380	17859.8	17M9G7W
	16QAM			27.3*	25.43	0.350	17862.9	17M9D7W

*Values from Ant 1 with Antenna Gain of -1.9dBi, which have a higher EIRP than Ant 3.

5G NR Band n41 (NS04)

Part 27								
EIRP Limit (W)		2.00						
Antenna Gain (dBi)		-0.60						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20.0	QPSK	2506.0	2680.0	26.7	26.10	0.407	17888	17M9G7V
	16QAM			26.0	25.40	0.347	17882	17M9D7V
40.0	BPSK	2516.0	2670.0	26.7	26.10	0.407	35591	35M6G7V
	16QAM			26.1	25.53	0.357	35629	35M6D7V
50.0	BPSK	2521.0	2665.0	26.7	26.10	0.407	45514	45M5G7V
	16QAM			26.4	25.84	0.384	45516	45M5D7V
60.0	QPSK	2526.0	2660.0	26.7	26.10	0.407	57732	57M7G7V
	16QAM			26.1	25.47	0.352	57661	57M7D7V
80.0	BPSK	2536.0	2650.0	26.7	26.10	0.407	76908	76M9G7V
	16QAM			26.1	25.48	0.353	76993	77M0D7V
90.0	BPSK	2541.0	2645.0	26.7	26.10	0.407	85293	85M3G7V
	16QAM			25.9	25.32	0.340	85422	85M4D7V
100.0	BPSK	2546.0	2640.0	26.7	26.10	0.407	95826	95M8G7V
	16QAM			26.0	25.44	0.350	96077	96M1D7V

LTE BAND 48

Part 96								
EIRP Limit (W)/ 10MHz		0.20						
Antenna Gain (dBi)		-3.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	3552.5	3697.5	24.1	21.10	0.129	4484.1	4M48G7W
	16QAM			23.6	20.56	0.114	4468.8	4M47D7W
10.0	QPSK	3555.0	3695.0	24.1	21.10	0.129	8947.5	8M95G7W
	16QAM			23.6	20.60	0.115	8957.8	8M96D7W
15.0	QPSK	3557.5	3692.5	24.1	21.10	0.129	13429	13M4G7W
	16QAM			23.7	20.69	0.117	13373.8	13M4D7W
20.0	QPSK	3560.0	3690.0	24.1	21.10	0.129	17845.3	17M8G7W
	16QAM			23.5	20.49	0.112	17879.4	17M9D7W

LTE BAND 66

Part 27 / RSS 139								
EIRP Limit (W)		1.00						
Antenna Gain (dBi)		-1.90						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	25.7	23.80	0.240	1083.4	1M08G7W
	16QAM			25.1	23.20	0.209	1084	1M08D7W
3.0	QPSK	1711.5	1778.5	25.7	23.80	0.240	2679.2	2M68G7W
	16QAM			25.0	23.10	0.204	2685.7	2M69D7W
5.0	QPSK	1712.5	1777.5	25.7	23.80	0.240	4498.9	4M50G7W
	16QAM			25.1	23.20	0.209	4488.7	4M49D7W
10.0	QPSK	1715.0	1775.0	25.7	23.80	0.240	8972.8	8M97G7W
	16QAM			25.1	23.20	0.209	8947.3	8M95D7W
15.0	QPSK	1717.5	1772.5	25.7	23.80	0.240	13426.2	13M4G7W
	16QAM			24.5	22.60	0.182	13414.8	13M4D7W
20.0	QPSK	1720.0	1770.0	25.7	23.80	0.240	17873.1	17M9G7W
	16QAM			24.6	22.70	0.186	17862.4	17M9D7W

LTE BAND 71

Part 27 / RSS 130								
ERP Limit (W)		3.00						
Antenna Gain (dBi)		-6.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
5.0	QPSK	665.5	695.5	25.7	17.55	0.057	4493.9	4M49G7W
	16QAM			25.1	16.95	0.050	4487.2	4M49D7W
10.0	QPSK	668.0	693.0	25.7	17.55	0.057	8962.4	8M96G7W
	16QAM			25.1	16.95	0.050	8941.2	8M94D7W
15.0	QPSK	670.5	690.5	25.7	17.55	0.057	13440.9	13M4G7W
	16QAM			25.1	16.95	0.050	13435.2	13M4D7W
20.0	QPSK	673.0	688.0	25.7	17.55	0.057	17851.9	17M9G7W
	16QAM			25.3	17.15	0.052	17873.2	17M9D7W

5G NR Band n77

Part 27								
EIRP Limit (W)		1.00						
Antenna Gain (dBi)		-2.30						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20.0	BPSK	3710.0	3970.0	25.5	23.20	0.209	17827	17M8G7W
	16QAM			24.6	22.27	0.169	17878	17M9D7W
40.0	BPSK	3720.0	3960.0	25.5	23.20	0.209	35837	35M8G7W
	16QAM			24.6	22.26	0.168	35749	35M7D7W
50.0	BPSK	3725.0	3955.0	25.5	23.20	0.209	45608	45M6G7W
	16QAM			24.4	22.10	0.162	45666	45M7D7W
60.0	BPSK	3730.0	3950.0	25.5	23.20	0.209	57592	57M6G7W
	16QAM			24.5	22.20	0.166	57725	57M7D7W
80.0	BPSK	3740.0	3940.0	25.5	23.20	0.209	76936	76M9G7W
	16QAM			24.5	22.22	0.167	77041	77M0D7W
90.0	BPSK	3745.0	3935.0	25.5	23.20	0.209	85508	85M5G7W
	16QAM			24.5	22.18	0.165	85558	85M6D7W
100.0	BPSK	3750.0	3930.0	25.5	23.20	0.209	96168	96M2G7W
	16QAM			24.5	22.20	0.166	96385	96M4D7W

5.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 0.28.03-1.

5.4. MAXIMUM ANTENNA GAIN

Please see table below:

LTE Bands and 5G NR Bands	Antenna Gain (dBi)						
	ANT 1	ANT 2	ANT 3	ANT 4	ANT 7	ANT 8	ANT 9
LTE Band 71, 5G NR Band n71, 663 – 698 MHz	-6.0	-6.0	NA	NA	NA	NA	NA
LTE Band 12, 5G NR Band n12, 699 – 716 MHz	-5.0	-6.2	NA	NA	NA	NA	NA
LTE Band 17, 704 – 716 MHz	-5.0	-6.2	NA	NA	NA	NA	NA
LTE Band 13, 777 – 787 MHz	-5.3	-6.6	NA	NA	NA	NA	NA
LTE Band 14, 788 – 798 MHz	-5.5	-6.7	NA	NA	NA	NA	NA
LTE Band 26, 814 – 824 MHz (Part 90S)	-5.0	-6.5	NA	NA	NA	NA	NA
LTE Band 5, 5G NR Band n5, 824 – 849 MHz	-5.0	-6.4	NA	NA	NA	NA	NA
LTE Band 66, 5G NR Band n66, 1710 – 1780 MHz	-1.9	-4.0	-1.5	-3.2	NA	NA	NA
LTE Band 2, 5G NR Band n2, 1850 – 1910 MHz	-2.1	-4.3	0.9	-1.5	NA	NA	NA
LTE Band 25, 5G NR Band n25 1850 – 1915 MHz	-2.1	-4.3	0.9	-1.5	NA	NA	NA
LTE Band 30, 2305 – 2315 MHz	-3.4	-1.9	-0.2	-2.2	NA	NA	NA
LTE Band 7, 2500 – 2570 MHz	-2.7	-0.6	-0.2	-2.1	NA	NA	NA
LTE Band 41, 5G NR Band n41, 2496 – 2690 MHz	-1.9	-0.6	-0.2	-1.7	NA	NA	NA
5G NR Band n77, 3700 – 3980 MHz	NA	NA	NA	-2.5	-3	-4.8	-2.3
LTE Band 48, 3550 – 3700 MHz	NA	NA	NA	-3.3	-3	-4.8	-3.1

5.5. WORST-CASE CONFIGURATION AND MODE

The EUT supports the following LTE and 5G NR Bands:

Band 2, Band 4, Band 5, Band 7, Band 12, Band 13, Band 14, Band 17, Band 25, Band 26, Band 30, Band 41, Band 48, Band 66, Band 71, 5G NR Band n2, 5G NR Band n5, 5G NR Band n12, 5G NR Band n25, 5G NR Band n41, 5G NR Band n66, 5G NR Band n71, and 5G NR Band n77.

For 5G NR Band n2, 5G NR Band n5, 5G NR Band n12, 5G NR Band n25, 5G NR Band n41, 5G NR Band n66, and 5G NR Band n71 having the same operations bandwidth and Power are covered by LTE bands of Band 2, Band5, Band12, Band 25, Band 41, Band 66, and Band 71. Additional tests for 5G NR with Higher BW modes than LTE Bands as 5G NR Band n5, 5G NR Band n12, and 5G NR Band n41 were performed.

LTE Band 4 (1710-1755MHz, 5/10/15/20MHz bandwidth) is covered by LTE Band 66 because it is a subset of LTE band 66 and they have same output power.

FCC rule Part 22.905 of LTE Band 26 (824-849MHz) is covered by LTE Band 5 of same rule since they have the same output power and supported bandwidths.

For 5G NR bands, conducted spurious emission tests were conducted on wider bandwidth with inner 1RB since this is the worst bandwidth and the highest output power.

BPSK modulation applied only for 5G NR band frequencies and has the same tune up power as QPSK modulations.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

The worst-case scenario for all measurements is based on an engineering evaluation and QPSK was observed as the worst one and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, 64QAM, 256QAM, and BPSK, modulations. For testing purposes emissions on sections 8 and 9 were measured while QPSK was set at or above target power for all bands. Conducted tests were performed on the worst case antenna because it has the highest conducted power. ANT1 is the worst case for all bands except Band 48, 5G NR Band 41, and 5G NR Band 77. For 5G NR Band 41 ANT2 is the worst case antenna. For bands 48 and 5G NR Band 77 ANT7 is the worst case antenna.

For 5G NR Band n41 20MHz BW, antenna 2 and antenna 4 powers are higher than LTE band 41. Therefore, additional power measurements and occupied bandwidth tests were performed on antenna 2 and antenna 4 for 20MHz BW. Since LTE antenna 1 the highest output power of all (LTE band 41 and 5G NR Band n41) antennas, all other conducted tests for 20MHz BW were performed only on LTE antenna 1.

The EUT was investigated in three orthogonal orientations X/Y/Z on all ANT 1, ANT2, ANT3, ANT4, ANT7, ANT8 and ANT 9 antennas to determine the worst case orientation. The following table exhibit the worst case orientation for different frequency bands. The full tests of the EUT have made upon the orientations that shown in the table below.

Bands	ANT1	ANT2	ANT3	ANT4	ANT7	ANT8	ANT9
Cell (850MHz)	X	X	N/A	N/A	N/A	N/A	N/A
PCS (1900)	Y	Z	Y	X	N/A	N/A	N/A
Band 41	Y	Z	X	X	N/A	N/A	N/A
Band 48, 5G NR Band n77	N/A	N/A	N/A	X	Y	X	X

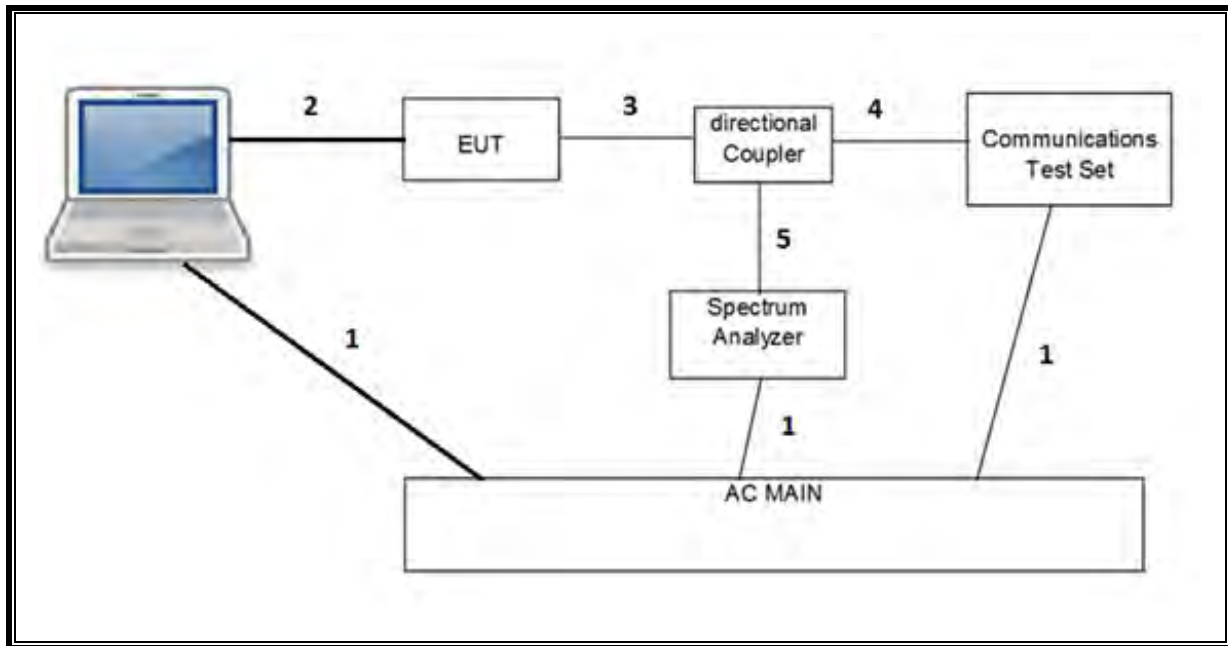
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 1GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GH WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

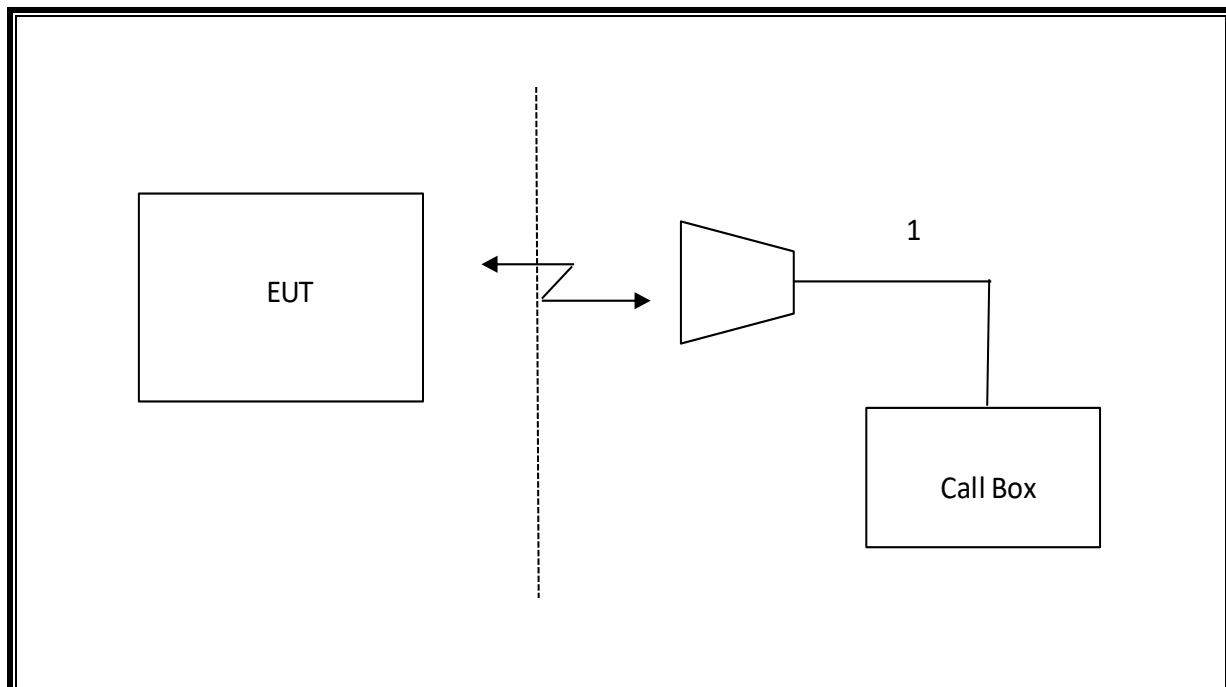
5.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop AC/DC adapter		Apple	85W MagSafe 2	C0651730MMMG6P4AL		
Laptop		Apple	Macbook Pro	C02PM012G3QD		
Laptop		Apple	Macbook Pro	C02P52HGG085		
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	3	US 115V	Un-shielded	2.0	N/A
2	USB	1	DC	Un-shielded	1.0	N/A
3	RF In/Out	1	EUT	Shielded	0.6	N/A
4	RF In/Out	1	Communication Test Set	Shielded	1.2	N/A
5	RF In/Out	1	Barrel	N/A	N/A	N/A
I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	RF In/Out	1	Antenna	Shielded	5.0	N/A

CONDUCTED SETUP



RADIATED SETUP



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset	Cal Due
Antenna, Horn 1-18GHz	A.H. Systems, Inc.	SAS-571	T962	01/25/2021
Antenna, Horn 1-18GHz	ETS Lindgren	3117	T346	07/20/2021
Antenna, Horn 1-18GHz	ETS Lindgren	3117	T136	07/07/2021
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	T407	05/20/2021
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	PRE0184052	11/12/2020
*Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	PRE0181575	09/05/2020
Antenna, Active Loop 9KHz to 30MHz	ETS-Lindgren	6502	T757	10/01/2020
Antenna Horn, 18 to 26GHz	ARA	SWH-28	T125	04/17/2021
Antenna, Horn 26-40GHz	ARA	MWH-2640/B	PRE0182203	04/17/2021
*Amplifier, 1 to 18GHz	MITEQ	AFS42-00101800-25-S-42	T1165	05/18/2020
Amplifier, 1 to 18GHz	MITEQ	AFS42-00101800-25-S-42	PRE0181078	05/06/2021
Amplifier, 10KHz to 1GHz, 32dB	Sonoma	310N	PRE0180176	07/14/2021
Amplifier, 100KHz to 1GHz, 32dB	Keysight	8447D	T15	10/26/2020
*Amplifier, 10KHz to 1GHz, 32dB	Sonoma	310N	PRE0180175	05/29/2020
Pre-Amp 18-26GHz	Agilent Technology	8449B	T404	04/08/2021
Amplifier, 26-40GHz	Miteq	TTA2640	T1864	04/08/2021
Filter, BRF 1850 – 1910 MHz	Micro-Tronics	BRM50714-02	T1796	06/23/2021
Filter, BRF 824 – 848 MHz	Micro-Tronics	BRM20025	PRE0191180	06/23/2021
Filter, HPF 1.2 GHz	MICRO-TRONICS	MICRO-TRONICS	T1737	06/23/2021
*Directional Coupler	KRYTAR	152610	T1536	06/09/2020
*Directional Coupler	KRYTAR	152610	T1161	08/14/2020
*Directional Coupler	KRYTAR	152613	T1537	06/08/2020
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	T340	01/22/2021
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	T1454	07/15/2021
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	T907	01/22/2021
Spectrum Analyzer, PSA, 3Hz to 44GHz	Keysight	N9030A	T908	05/05/2021
Spectrum Analyzer, PSA, 3Hz to 26.5GHz	Keysight	E4440A	T198	01/28/2021
Spectrum Analyzer, PSA, 3Hz to 44GHz	Keysight	E4440A	T200	01/24/2021
EMI Test Receiver	Rohde & Schwarz	ESW44	PRE0179522	02/18/2021
Wireless Communications Test Set, 8960 Series 10	Agilent	E5515C	T211	02/18/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	T948	08/10/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	T1871	02/25/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	T972	02/24/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	T260	02/19/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	T959	02/19/2021
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	163287	10/23/2020
UXM 5G Wireless Test Platform	Keysight	E7515B	MY59321399	10/09/2020
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	T754	12/22/2020
Environmental Chamber	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	T1154	12/22/2020
Power Meter, P-series single channel	Keysight	N1912A	T1245	01/22/2021
Power Sensor	Keysight	N1921A	T1225	02/23/2021
UL AUTOMATION SOFTWARE				
CLT Software	UL	UL RF	Ver 7.6, November 11, 2017	
Power Measurement Software	UL	UL RF	Ver 2.7, 2019	
Radiated test software	UL	UL RF	Ver 9.5 June 15, 2019	
Signal Generation Software	Apple	5G NR GUI	Automation_v495	

NOTES:

* Testing is completed before equipment expiration date.

7. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All LTE bands conducted average power is obtained from the CMW500 telecommunication test set.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS136.101 specification.

UE Power Class: 3 (23 +/- 2dBm). Band 41 UE Power Class: 2 (26 +/-2 dBm).The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS136.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS136.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (subclause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	N/A
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36, 66, 70	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2, 6.6.3.3.19	41	5, 10, 15, 20	Table 6.2.4-4, Table 6.2.4-4a	

Table 6.2.2.3-1: Maximum Power Reduction (MPR) for Power 3

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0^2
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM		≤ 2.5	
DFT-s-OFDM 256 QAM		≤ 4.5	
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM		≤ 3.5	
CP-OFDM 256 QAM		≤ 6.5	
NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.			
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.			

Table 6.2.2.3-2: Maximum Power Reduction (MPR) for Power Class 2

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	≤ 3.5	≤ 0.5	0
DFT-s-OFDM QPSK	≤ 3.5	≤ 1	0
DFT-s-OFDM 16 QAM	≤ 3.5	≤ 2	≤ 1
DFT-s-OFDM 64 QAM	≤ 3.5	≤ 2.5	
DFT-s-OFDM 256 QAM		≤ 4.5	
CP-OFDM QPSK	≤ 3.5	≤ 3	≤ 1.5
CP-OFDM 16 QAM	≤ 3.5	≤ 3	≤ 2
CP-OFDM 64 QAM		≤ 3.5	
CP-OFDM 256 QAM		≤ 6.5	

RESULTS

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted output powers as follows:

7.1. LTE BAND 2

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 2 (1.4 MHz) ANTENNA

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18607	18900	19193	18607	18900	19193	18607	18900	19193	18607	18900	19193
1.4	QPSK	1	0	25.2	25.6	24.6	22.6	23.0	22.5	23.8	25.0	24.5	22.7	23.0	22.2
		1	2	25.3	25.7	24.5	22.7	23.1	22.3	24.9	25.0	24.4	22.7	23.0	22.0
		1	5	25.2	25.7	24.2	22.6	23.0	22.1	24.8	24.9	24.1	22.6	22.9	21.8
		3	0	25.2	25.6	24.2	22.7	23.0	22.2	24.6	24.8	24.0	22.4	22.7	21.9
		3	1	25.3	25.6	24.2	22.7	23.1	22.1	24.6	24.8	24.0	22.5	22.7	21.8
		3	2	25.4	25.5	24.1	22.7	23.1	22.0	24.5	24.8	23.9	22.4	22.7	21.7
	16QAM	6	0	24.5	24.6	23.4	21.8	22.1	21.3	23.6	23.9	23.2	21.6	21.8	21.0
		1	0	24.5	25.0	23.4	21.9	22.2	21.7	23.7	24.2	23.2	21.6	21.9	21.4
		1	2	24.6	25.0	23.4	22.0	22.2	21.7	23.7	24.3	23.2	21.7	22.0	21.4
		1	5	24.5	24.9	23.3	21.9	22.2	21.5	23.7	24.3	23.1	21.7	22.0	21.2
		3	0	24.5	24.7	23.6	22.0	22.1	21.6	23.6	24.0	23.3	21.8	21.9	21.2
		3	1	24.6	24.8	23.6	22.1	22.2	21.5	23.7	24.1	23.4	21.8	22.0	21.2
	64QAM	3	2	24.5	24.8	23.6	22.1	22.2	21.5	23.7	24.1	23.3	21.8	22.0	21.2
		6	0	23.7	23.6	22.8	21.1	21.4	20.4	22.8	22.9	22.5	20.9	21.1	20.1
		1	0	23.2	23.1	23.1	21.1	20.9	20.6	22.7	22.4	22.2	20.5	21.0	21.2
		1	2	23.3	23.2	23.1	21.1	21.0	20.5	22.8	22.5	22.2	20.7	21.0	21.2
		1	5	23.2	23.1	23.1	21.0	20.9	20.3	22.7	22.3	22.2	20.6	20.9	21.1
		3	0	23.2	23.1	22.9	20.9	20.8	20.3	22.7	22.5	22.0	20.7	20.8	21.1
	256QAM	3	1	23.3	23.2	22.9	20.9	20.9	20.3	22.8	22.5	22.0	20.7	20.8	21.2
		3	2	23.3	23.2	22.9	20.9	20.9	20.2	22.7	22.5	22.0	20.7	20.8	21.1
		6	0	21.9	22.3	22.0	19.5	20.0	19.4	21.4	21.6	21.1	19.8	19.9	19.7
		1	0	20.1	20.2	20.2	17.4	17.0	17.4	18.7	18.5	18.7	16.9	17.0	17.2
		1	2	20.2	20.2	20.1	17.1	17.1	17.3	18.8	18.5	18.8	17.2	17.0	17.2
		1	5	20.2	20.1	20.1	17.0	17.0	17.1	18.6	18.4	18.7	17.0	16.9	17.1
		3	0	20.2	20.2	20.1	17.1	17.1	17.5	18.6	18.5	18.8	16.9	17.0	17.3
		3	1	20.2	20.1	20.2	17.1	17.1	17.5	18.6	18.5	18.9	17.0	17.1	17.3
		3	2	20.2	20.1	20.2	16.9	17.1	17.5	18.6	18.5	18.9	17.0	17.1	17.3
		6	0	20.2	20.1	20.1	17.1	17.1	17.3	18.5	18.7	18.8	16.9	17.2	17.2

OUTPUT POWER FOR LTE BAND 2 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18615	18900	19185	18615	18900	19185	18615	18900	19185	18615	18900	19185
				1851.5	1880.0	1908.5	1851.5	1880.0	1908.5	1851.5	1880.0	1908.5	1851.5	1880.0	1908.5
3.0	QPSK	1	0	25.2	25.7	25.0	23.0	23.1	22.6	24.3	25.0	24.8	22.3	23.0	22.5
		1	7	25.1	25.5	24.7	22.9	23.0	22.2	24.2	24.9	24.6	22.3	22.9	22.3
		1	14	25.1	25.3	24.4	22.9	22.8	21.8	24.2	24.8	24.2	22.4	22.7	21.9
		8	0	24.2	24.6	23.9	22.0	22.0	21.5	23.3	24.0	23.6	21.4	21.9	21.5
		8	4	24.2	24.7	23.8	22.1	22.0	21.4	23.4	24.1	23.6	21.5	22.0	21.4
		8	7	24.3	24.7	23.8	22.1	22.1	21.3	23.4	24.1	23.5	21.5	22.0	21.4
		15	0	24.2	24.6	23.8	22.0	22.0	21.4	23.4	24.0	23.4	21.5	22.0	21.3
	16QAM	1	0	24.2	24.5	24.2	21.9	21.8	21.9	23.4	23.9	23.8	21.4	21.9	21.8
		1	7	24.2	24.5	24.1	22.0	21.8	21.6	23.4	23.8	23.7	21.5	21.8	21.6
		1	14	24.2	24.3	23.9	22.0	21.6	21.4	23.5	23.8	23.6	21.6	21.7	21.4
		8	0	23.3	23.8	23.1	21.0	21.1	20.7	22.6	23.2	22.7	20.6	21.2	20.7
		8	4	23.4	23.9	23.1	21.1	21.3	20.7	22.7	23.3	22.7	20.7	21.3	20.7
		8	7	23.5	23.9	23.1	21.1	21.3	20.7	22.7	23.3	22.8	20.8	21.3	20.7
		15	0	23.3	23.8	23.1	21.0	21.2	20.7	22.6	23.2	22.7	20.7	21.2	20.6
	64QAM	1	0	23.5	23.5	23.3	20.8	21.1	21.0	22.8	22.7	22.3	20.7	21.1	21.2
		1	7	23.3	23.5	23.3	20.8	21.1	20.7	22.7	22.7	22.3	20.7	21.0	21.1
		1	14	23.3	23.5	23.3	20.9	21.1	20.3	22.7	22.7	22.2	20.7	21.0	21.1
		8	0	22.2	22.3	22.3	19.5	19.8	19.8	21.6	21.5	21.3	19.7	19.8	20.0
		8	4	22.2	22.3	22.3	19.7	19.9	19.8	21.6	21.5	21.3	19.7	19.8	20.0
		8	7	22.2	22.4	22.3	19.7	20.0	19.7	21.6	21.6	21.3	19.7	19.9	19.9
		15	0	22.3	22.2	22.3	19.7	19.9	19.7	21.7	21.5	21.2	19.7	19.9	19.9
	256QAM	1	0	20.4	20.4	20.4	17.4	17.0	17.4	18.8	19.2	18.8	17.1	17.6	17.1
		1	7	20.4	20.4	20.5	17.1	17.1	17.3	18.7	19.2	18.7	17.1	17.6	16.9
		1	14	20.4	20.4	20.3	17.0	17.0	17.1	18.7	19.2	18.6	17.0	17.6	16.9
		8	0	20.5	20.4	20.4	17.1	17.1	17.5	18.9	18.9	18.9	17.2	17.4	17.2
		8	4	20.4	20.4	20.5	17.1	17.1	17.5	18.9	18.9	18.9	17.2	17.3	17.2
		8	7	20.5	20.4	20.5	16.9	17.1	17.5	18.9	18.9	18.9	17.2	17.3	17.2
		15	0	20.5	20.5	20.5	17.1	17.1	17.3	18.8	18.9	19.0	17.1	17.3	17.4

OUTPUT POWER FOR LTE BAND 2 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18625	18900	19175	18625	18900	19175	18625	18900	19175	18625	18900	19175
				1852.5	1880.0	1907.5	1852.5	1880.0	1907.5	1852.5	1880.0	1907.5	1852.5	1880.0	1907.5
5.0	QPSK	1	0	25.1	25.7	24.8	22.9	23.0	22.3	24.2	25.0	24.7	22.4	23.0	22.3
		1	12	25.2	25.6	24.6	23.1	23.0	22.2	24.4	25.0	24.5	22.6	22.9	22.2
		1	24	25.0	25.3	24.0	23.0	22.7	21.6	24.3	24.7	24.0	22.5	22.6	21.6
		12	0	24.1	24.5	23.8	21.8	21.7	21.5	23.2	23.8	23.5	21.4	21.8	21.3
		12	6	24.2	24.6	23.7	22.0	21.9	21.4	23.4	24.0	23.5	21.6	21.9	21.3
		12	11	24.2	24.5	23.6	22.0	21.9	21.3	23.4	24.0	23.4	21.6	21.9	21.2
		25	0	24.1	24.3	23.6	21.9	21.8	21.3	23.3	23.9	23.4	21.5	21.8	21.2
	16QAM	1	0	24.0	24.5	24.2	21.7	21.9	21.8	23.2	24.0	23.9	21.4	22.0	21.6
		1	12	24.2	24.5	24.1	22.0	21.9	21.8	23.5	24.1	23.9	21.7	22.0	21.7
		1	24	24.1	24.2	23.6	22.0	21.7	21.2	23.4	23.9	23.5	21.6	21.7	21.2
		12	0	23.2	23.5	23.0	20.9	20.9	20.8	22.4	23.1	22.7	20.6	21.0	20.6
		12	6	23.4	23.7	23.0	21.1	21.1	20.8	22.6	23.2	22.9	20.8	21.2	20.7
		12	11	23.4	23.6	22.9	21.2	21.2	20.7	22.7	23.3	22.8	20.8	21.2	20.6
		25	0	23.2	23.5	22.9	21.0	21.0	20.7	22.5	23.1	22.7	20.6	21.1	20.5
	64QAM	1	0	23.4	23.1	23.4	20.8	20.7	21.3	22.8	22.3	22.5	20.8	21.1	20.7
		1	12	23.5	23.2	23.5	21.0	20.8	21.1	22.8	22.4	22.5	20.9	21.2	20.8
		1	24	23.4	23.1	23.3	21.0	20.8	20.5	22.7	22.4	22.4	20.8	21.1	20.7
		12	0	22.3	22.3	22.1	19.7	19.8	20.0	21.7	21.5	21.3	19.6	19.9	19.9
		12	6	22.3	22.3	22.2	19.8	20.0	19.9	21.7	21.5	21.3	19.6	19.9	19.9
		12	11	22.2	22.3	22.1	19.9	20.0	19.7	21.6	21.5	21.2	19.6	19.9	19.9
		25	0	22.2	22.2	22.1	19.7	19.8	19.8	21.6	21.4	21.2	19.7	19.9	19.8
	256QAM	1	0	20.4	20.4	20.4	17.4	17.0	17.4	18.8	18.5	19.0	17.0	16.9	17.3
		1	12	20.4	20.3	20.4	17.1	17.1	17.3	18.8	18.7	19.1	17.1	17.0	17.5
		1	24	20.4	20.4	20.4	17.0	17.0	17.1	18.7	18.5	19.0	17.0	16.9	17.3
		12	0	20.4	20.4	20.4	17.1	17.1	17.5	18.8	18.9	18.9	17.0	17.2	17.2
		12	6	20.4	20.3	20.4	17.1	17.1	17.5	18.8	18.9	19.0	17.1	17.3	17.3
		12	11	20.4	20.3	20.4	16.9	17.1	17.5	18.8	18.8	19.0	17.1	17.2	17.3
		25	0	20.4	20.3	20.4	17.1	17.1	17.3	18.8	18.8	18.9	17.0	17.3	17.2

OUTPUT POWER FOR LTE BAND 2 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18650	18900	19150	18650	18900	19150	18650	18900	19150	18650	18900	19150
				1855.0	1880.0	1905.0	1855.0	1880.0	1905.0	1855.0	1880.0	1905.0	1855.0	1880.0	1905.0
10.0	QPSK	1	0	24.4	25.0	25.7	22.1	22.4	23.1	23.3	24.1	25.0	21.7	22.4	23.0
		1	24	25.1	25.5	25.1	23.0	22.9	22.6	23.9	24.4	24.3	22.6	22.8	22.4
		1	49	24.5	24.4	24.3	22.5	21.9	21.9	23.4	23.5	23.7	22.1	21.8	21.8
		25	0	23.8	24.3	24.0	21.7	21.7	21.5	22.6	23.3	23.3	21.2	21.7	21.3
		25	12	24.1	24.5	24.1	22.1	21.9	21.6	23.0	23.5	23.3	21.6	21.9	21.3
		25	24	24.0	24.2	23.7	22.0	21.7	21.3	22.9	23.3	22.9	21.5	21.6	21.0
		50	0	23.9	24.2	23.8	21.8	21.6	21.3	22.7	23.3	23.0	21.4	21.6	21.0
	16QAM	1	0	23.3	23.9	24.8	20.9	21.1	22.3	22.1	23.0	24.1	20.6	21.2	22.1
		1	24	24.1	24.4	24.4	22.0	21.8	21.9	23.0	23.4	23.6	21.6	21.8	21.7
		1	49	23.6	23.4	23.7	21.5	20.9	21.3	22.6	22.6	23.1	21.2	20.8	21.2
		25	0	23.0	23.6	23.1	20.8	20.8	20.6	21.8	22.5	22.3	20.4	20.9	20.4
		25	12	23.3	23.8	23.2	21.2	21.0	20.9	22.2	22.7	22.5	20.9	21.1	20.6
		25	24	23.2	23.5	22.9	21.2	20.8	20.6	22.2	22.5	22.1	20.8	20.8	20.3
		50	0	23.1	23.5	23.0	21.0	20.8	20.6	22.0	22.5	22.2	20.6	20.8	20.4
	64QAM	1	0	23.1	23.3	23.4	20.3	20.7	21.3	22.0	22.0	22.2	20.6	21.0	21.1
		1	24	23.5	23.7	23.5	21.0	21.2	21.3	22.3	22.5	22.1	21.0	21.4	21.2
		1	49	23.3	23.5	23.5	20.6	20.5	20.5	22.0	22.3	22.0	20.8	21.1	21.2
		25	0	22.3	22.4	22.3	19.6	19.7	20.0	21.2	21.1	21.0	19.8	20.0	20.0
		25	12	22.5	22.4	22.5	20.0	19.9	20.2	21.3	21.2	21.1	20.0	20.0	20.1
		25	24	22.4	22.4	22.4	19.8	19.8	19.9	21.2	21.2	20.9	19.9	20.0	20.0
		50	0	22.3	22.3	22.4	19.7	19.7	19.8	21.2	21.1	21.0	19.8	19.9	19.9
	256QAM	1	0	20.5	20.2	20.4	17.4	17.0	17.4	18.1	18.5	18.0	16.9	17.3	16.9
		1	24	20.5	20.2	20.2	17.1	17.1	17.3	18.5	18.9	18.4	17.2	17.8	17.2
		1	49	20.5	20.2	20.3	17.0	17.0	17.1	18.3	18.7	18.1	17.0	17.6	17.0
		25	0	20.4	20.2	20.4	17.1	17.1	17.5	18.5	18.5	18.5	17.1	17.2	17.3
		25	12	20.5	20.2	20.4	17.1	17.1	17.5	18.6	18.6	18.7	17.3	17.4	17.5
		25	24	20.6	20.2	20.3	16.9	17.1	17.5	18.5	18.5	18.6	17.2	17.3	17.4
		50	0	20.5	20.1	20.3	17.1	17.1	17.3	18.4	18.5	18.5	17.1	17.3	17.3

OUTPUT POWER FOR LTE BAND 2 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18675	18900	19125	18675	18900	19125	18675	18900	19125	18675	18900	19125
				1857.5	1880.0	1902.5	1857.5	1880.0	1902.5	1857.5	1880.0	1902.5	1857.5	1880.0	1902.5
15.0	QPSK	1	0	24.5	25.7	24.8	22.3	23.1	22.4	23.8	25.0	25.0	22.1	23.0	22.3
		1	37	24.7	24.8	24.8	22.7	22.3	22.3	24.1	24.3	24.6	22.4	22.2	22.1
		1	74	24.9	24.3	23.7	22.7	22.1	21.4	24.6	24.0	23.8	22.6	21.7	21.3
		36	0	23.5	24.1	23.5	21.4	21.5	21.1	22.8	23.6	23.6	21.0	21.5	20.9
		36	16	23.6	23.9	23.6	21.6	21.4	21.2	23.1	23.5	23.6	21.3	21.3	21.0
		36	35	23.8	23.7	23.3	21.7	21.2	21.0	23.4	23.4	23.2	21.5	21.1	20.7
		75	0	23.6	23.8	23.3	21.5	21.2	21.0	23.1	23.4	23.4	21.1	21.1	20.8
	16QAM	1	0	23.6	24.5	23.9	21.4	21.8	21.5	22.9	24.0	24.1	20.9	21.8	21.4
		1	37	24.0	23.8	24.1	22.0	21.2	21.7	23.5	23.4	23.9	21.6	21.1	21.5
		1	74	24.3	23.3	23.2	22.1	21.1	20.9	24.1	23.2	23.3	21.9	20.8	20.8
		36	0	22.6	23.3	22.8	20.6	20.6	20.4	21.9	22.8	22.8	20.1	20.6	20.2
		36	16	22.8	23.1	22.9	20.8	20.5	20.6	22.3	22.8	22.8	20.3	20.5	20.3
		36	35	23.0	23.0	22.7	20.9	20.5	20.4	22.6	22.7	22.6	20.6	20.3	20.1
		75	0	22.9	23.1	22.8	20.8	20.5	20.4	22.3	22.8	22.7	20.4	20.4	20.2
	64QAM	1	0	23.5	23.5	23.3	21.0	20.9	20.2	22.9	22.6	22.5	20.3	21.2	20.8
		1	37	23.7	23.5	23.3	21.1	20.7	20.7	23.0	22.7	22.4	20.6	21.2	20.8
		1	74	23.6	23.5	23.3	21.1	20.5	20.0	22.9	22.8	22.3	20.6	21.2	20.9
		36	0	22.1	22.2	22.2	19.5	19.5	19.3	21.4	21.4	21.4	19.4	19.6	19.6
		36	16	22.2	22.3	22.2	19.5	19.4	19.5	21.6	21.5	21.4	19.6	19.6	19.6
		36	35	22.2	22.3	22.3	19.6	19.4	19.4	21.5	21.6	21.4	19.7	19.7	19.7
		75	0	22.2	22.1	22.2	19.5	19.3	19.3	21.5	21.4	21.4	19.5	19.6	19.6
	256QAM	1	0	20.1	20.2	20.0	17.4	17.0	17.4	18.5	18.7	18.2	16.6	16.9	16.4
		1	37	20.0	20.1	20.1	17.1	17.1	17.3	18.7	18.9	18.5	16.8	17.1	16.6
		1	74	20.0	20.1	20.0	17.0	17.0	17.1	18.7	18.9	18.4	16.8	17.2	16.5
		36	0	20.0	20.2	20.0	17.1	17.1	17.5	18.4	18.4	18.6	16.5	16.7	16.7
		36	16	19.9	20.2	20.0	17.1	17.1	17.5	18.6	18.6	18.7	16.6	16.8	16.8
		36	35	20.1	20.3	20.0	16.9	17.1	17.5	18.6	18.6	18.7	16.6	16.8	16.8
		75	0	20.0	20.1	20.0	17.1	17.1	17.3	18.5	18.5	18.7	16.6	16.8	16.7

OUTPUT POWER FOR LTE BAND 2 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				18700	18900	19100	18700	18900	19100	18700	18900	19100	18700	18900	19100
				1860.0	1880.0	1900.0	1860.0	1880.0	1900.0	1860.0	1880.0	1900.0	1860.0	1880.0	1900.0
20.0	QPSK	1	0	24.8	25.7	24.7	22.7	23.1	22.4	24.0	25.0	24.4	22.1	23.0	22.0
		1	49	24.5	24.7	24.8	22.5	22.4	22.4	24.0	24.1	24.5	22.0	22.0	22.0
		1	99	25.1	24.1	23.8	22.7	22.1	21.5	24.8	23.7	23.6	22.5	21.6	21.3
		50	0	23.1	23.9	23.1	21.2	21.5	20.9	22.5	23.3	23.0	20.6	21.2	20.5
		50	24	23.5	23.7	23.5	21.6	21.3	21.3	23.1	23.2	23.4	21.1	21.0	20.9
		50	49	23.5	23.4	23.4	21.5	21.1	21.1	23.3	22.9	23.1	21.1	20.6	20.7
		100	0	23.3	23.6	23.2	21.4	21.2	20.8	22.9	23.1	23.0	20.9	20.8	20.5
	16QAM	1	0	24.0	25.1	23.8	22.0	22.6	21.6	23.2	24.6	23.6	21.3	22.4	21.2
		1	49	23.8	24.3	24.2	22.0	21.9	21.8	23.5	23.7	24.0	21.4	21.6	21.4
		1	99	24.6	23.8	23.3	22.3	21.7	21.1	24.3	23.6	23.3	22.0	21.2	20.8
		50	0	22.2	23.2	22.3	20.4	20.6	20.0	21.7	22.6	22.3	19.7	20.3	19.7
		50	24	22.7	23.1	22.9	20.8	20.6	20.5	22.3	22.5	22.7	20.3	20.2	20.2
		50	49	22.8	22.7	22.7	20.7	20.4	20.4	22.5	22.3	22.5	20.4	19.9	20.0
		100	0	22.6	23.0	22.5	20.7	20.5	20.2	22.1	22.5	22.5	20.1	20.2	19.8
	64QAM	1	0	23.1	23.3	23.6	20.9	21.0	20.7	22.4	22.4	22.9	20.3	20.7	20.9
		1	49	23.2	23.4	23.7	20.6	20.8	21.0	22.4	22.6	22.8	20.5	20.7	21.0
		1	99	23.2	23.4	23.6	20.8	20.4	20.7	22.3	22.6	22.6	20.6	20.7	21.1
		50	0	21.9	22.0	21.9	19.3	19.4	18.9	21.2	21.2	21.2	19.2	19.4	19.3
		50	24	22.1	22.1	22.1	19.5	19.4	19.3	21.4	21.3	21.2	19.4	19.5	19.5
		50	49	22.1	22.2	22.1	19.3	19.2	19.5	21.2	21.4	21.1	19.4	19.5	19.5
		100	0	22.0	22.0	22.0	19.3	19.2	19.0	21.3	21.2	21.1	19.4	19.4	19.4
	256QAM	1	0	19.9	19.5	19.8	17.4	17.0	17.4	17.9	18.1	18.3	16.0	16.3	16.4
		1	49	19.9	19.5	19.8	17.1	17.1	17.3	18.1	18.5	18.5	16.3	16.7	16.7
		1	99	19.9	19.6	19.8	17.0	17.0	17.1	18.1	18.5	18.5	16.3	16.6	16.6
		50	0	19.9	19.5	19.8	17.1	17.1	17.5	18.2	18.2	18.3	16.3	16.4	16.4
		50	24	19.9	19.5	19.8	17.1	17.1	17.5	18.4	18.4	18.4	16.5	16.6	16.6
		50	49	19.9	19.6	19.8	16.9	17.1	17.5	18.3	18.4	18.5	16.5	16.6	16.6
		100	0	19.9	19.5	19.8	17.1	17.1	17.3	18.3	18.3	18.4	16.4	16.5	16.5

7.2. LTE BAND 5

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 5 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				20407	20525	20643	20407	20525	20643
1.4	QPSK	1	0	824.7	836.5	848.3	824.7	836.5	848.3
		1	2	25.4	25.4	25.7	24.3	24.4	24.5
		1	5	25.4	25.6	25.7	24.4	24.5	24.5
		3	0	25.4	25.5	25.7	24.3	24.4	24.4
		3	1	25.4	25.4	25.6	24.3	24.3	24.4
		3	2	25.5	25.5	25.7	24.4	24.4	24.5
		6	0	25.5	25.6	25.7	24.4	24.4	24.5
	16QAM	1	0	24.5	24.6	24.7	23.4	23.5	23.5
		1	2	24.9	24.6	24.9	23.4	23.6	23.9
		1	5	24.9	24.7	25.0	23.5	23.7	23.9
		3	0	24.9	24.7	24.9	23.5	23.6	23.9
		3	1	24.7	24.8	24.8	23.6	23.5	23.7
		3	2	24.8	24.9	24.8	23.7	23.6	23.8
		6	0	24.8	24.9	24.9	23.7	23.6	23.8
	64QAM	1	0	23.5	23.8	23.9	22.7	22.6	22.5
		1	2	24.2	24.4	24.1	22.7	22.0	22.0
		1	5	24.3	24.6	24.2	22.7	22.0	22.0
		3	0	24.4	24.4	24.1	22.6	22.0	22.0
		3	1	24.1	24.3	24.1	22.6	22.0	21.9
		3	2	24.1	24.4	24.2	22.6	22.0	21.9
		6	0	24.1	24.4	24.2	22.6	22.0	21.9
	256QAM	1	0	23.2	23.1	23.3	21.2	22.0	21.9
		1	2	20.2	19.8	20.3	19.6	19.2	19.5
		1	5	20.2	19.9	19.9	19.8	19.7	19.6
		3	0	20.2	19.8	19.8	19.6	19.6	19.4
		3	1	20.5	20.3	20.3	19.5	19.5	19.4
		3	2	20.5	20.3	20.3	19.5	19.5	19.4
		6	0	20.5	20.3	20.3	19.6	19.5	19.4

OUTPUT POWER FOR LTE BAND 5 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				20415	20525	20635	20415	20525	20635
3.0	QPSK	1	0	825.5	836.5	847.5	825.5	836.5	847.5
		1	7	25.5	25.6	25.6	24.4	24.4	24.5
		1	14	25.5	25.6	25.7	24.4	24.4	24.5
		1	14	25.6	25.7	25.7	24.4	24.5	24.5
		8	0	24.5	24.7	24.7	23.5	23.5	23.5
		8	4	24.7	24.7	24.8	23.5	23.5	23.6
		8	7	24.7	24.8	24.8	23.5	23.6	23.6
	16QAM	15	0	24.7	24.7	24.7	23.5	23.6	23.5
		1	0	24.6	24.6	25.1	23.5	23.4	23.9
		1	7	24.7	24.7	25.1	23.5	23.5	23.9
		1	14	24.6	24.7	25.1	23.5	23.5	23.9
		8	0	23.6	23.8	23.8	22.6	22.6	22.6
		8	4	23.7	23.8	23.9	22.6	22.6	22.7
		8	7	23.8	23.9	23.9	22.7	22.7	22.7
	64QAM	15	0	23.6	23.7	23.8	22.5	22.6	22.6
		1	0	24.2	24.3	24.0	22.6	22.2	22.1
		1	7	24.3	24.3	24.1	22.5	22.1	22.1
		1	14	24.2	24.3	24.1	22.5	22.2	22.1
		8	0	23.0	23.0	23.0	21.2	22.2	22.1
		8	4	23.1	23.1	23.1	21.3	22.2	22.1
		8	7	23.1	23.1	23.0	21.3	22.2	22.1
	256QAM	15	0	23.1	23.0	23.0	21.3	22.2	22.1
		1	0	20.1	20.1	20.3	19.6	20.1	19.2
		1	2	20.1	20.1	20.2	19.6	20.1	19.2
		1	5	20.1	20.2	20.3	19.6	20.1	19.3
		3	0	20.4	20.2	20.1	19.8	19.6	19.5
		3	1	20.4	20.2	20.2	19.8	19.7	19.5
		3	2	20.4	20.3	20.2	19.8	19.7	19.5
		6	0	20.4	20.1	20.2	19.7	19.6	19.6

OUTPUT POWER FOR LTE BAND 5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				20425	20525	20625	20425	20525	20625
5.0	QPSK	1	0	826.5	836.5	846.5	826.5	836.5	846.5
		1	12	25.4	25.6	25.5	24.3	24.4	24.3
		1	24	25.5	25.7	25.6	24.4	24.5	24.4
		12	0	25.5	25.7	25.6	24.4	24.5	24.4
		12	6	24.5	24.6	24.7	23.4	23.4	23.4
		12	11	24.6	24.6	24.7	23.5	23.4	23.5
		25	0	24.6	24.7	24.7	23.5	23.5	23.5
	16QAM	1	0	24.6	24.6	24.7	23.5	23.5	23.5
		1	12	24.7	24.8	25.2	23.5	23.6	24.0
		1	24	24.8	24.9	25.3	23.7	23.6	24.0
		12	0	24.8	24.9	25.2	23.6	23.6	24.0
		12	6	23.6	23.7	23.8	22.5	22.5	22.6
		12	11	23.7	23.7	23.9	22.6	22.5	22.7
		25	0	23.7	23.7	23.9	22.5	22.6	22.7
	64QAM	1	0	23.6	23.6	23.8	22.4	22.5	22.6
		1	12	24.2	23.8	24.2	22.5	22.2	22.2
		1	24	24.3	23.9	24.2	22.5	22.2	22.2
		12	0	24.3	23.8	24.1	22.5	22.1	22.2
		12	6	23.0	23.0	22.8	21.3	22.2	22.2
		12	11	23.1	23.0	22.9	21.4	22.2	22.1
		25	0	23.1	23.0	22.9	21.3	22.2	22.1
	256QAM	1	0	23.0	22.9	22.8	21.2	22.2	22.1
		1	12	20.2	19.8	20.1	19.7	19.3	19.6
		1	24	20.3	19.8	20.1	19.7	19.4	19.6
		12	0	20.2	19.8	20.1	19.7	19.3	19.5
		12	6	20.2	20.1	20.1	19.7	19.5	19.5
		12	11	20.3	20.1	20.1	19.8	19.6	19.5
		25	0	20.3	20.1	20.1	19.7	19.6	19.5

OUTPUT POWER FOR LTE BAND 5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				20450	20525	20600	20450	20525	20600
10.0	QPSK	1	0	829.0	836.5	844.0	829.0	836.5	844.0
		1	0	25.4	25.6	25.7	24.4	24.5	24.5
		1	24	25.4	25.6	25.7	24.3	24.4	24.5
		1	49	25.5	25.6	25.6	24.3	24.5	24.4
		25	0	24.5	24.7	24.7	23.4	23.5	23.5
		25	12	24.6	24.7	24.7	23.5	23.5	23.5
		25	24	24.6	24.7	24.8	23.5	23.5	23.5
		50	0	24.5	24.6	24.7	23.4	23.5	23.5
	16QAM	1	0	24.6	24.7	25.1	23.6	23.5	23.9
		1	24	24.6	24.6	25.1	23.4	23.4	23.9
		1	49	24.7	24.6	25.1	23.5	23.4	23.9
		25	0	23.7	23.7	23.7	22.6	22.5	22.5
		25	12	23.8	23.7	23.8	22.6	22.5	22.6
		25	24	23.7	23.7	23.8	22.6	22.6	22.5
		50	0	23.6	23.6	23.7	22.5	22.5	22.6
	64QAM	1	0	24.1	24.2	23.9	22.5	22.0	22.0
		1	24	24.1	24.2	23.9	22.3	22.0	22.0
		1	49	24.0	24.2	24.0	22.2	22.0	22.0
		25	0	23.0	22.9	22.9	21.2	22.0	22.0
		25	12	23.0	22.9	22.9	21.2	22.0	22.0
		25	24	23.0	22.9	22.9	21.1	22.0	22.0
		50	0	22.9	22.8	22.8	21.0	22.0	22.0
	256QAM	1	0	19.7	19.7	19.8	19.4	19.7	19.1
		1	24	20.0	20.0	20.2	19.6	20.0	19.4
		1	49	19.7	19.8	19.9	19.3	19.7	19.0
		25	0	20.1	19.9	20.0	19.6	19.5	19.5
		25	12	20.2	20.0	20.0	19.7	19.7	19.6
		25	24	20.1	19.9	20.0	19.6	19.6	19.5
		50	0	20.1	19.9	20.0	19.6	19.6	19.4

7.3. 5G NR Band n5

Test Engineer ID:	23547	Test Date:	8/18/2020
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OUTPUT POWER FOR 5G NR Band n5 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 1			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166300 831.5 MHz	167300 836.5 MHz	168300 841.5 MHz	166300 831.5 MHz	167300 836.5 MHz	168300 841.5 MHz
15.0	BPSK	1	0	24.6	24.9	24.9	24.0	24.1	23.9
		1	1	25.7	25.0	25.1	24.4	24.4	24.4
		36	18	24.8	22.5	20.5	22.3	23.3	24.5
		75	0	24.8	23.5	21.1	22.0	21.2	21.2
	QPSK	1	0	24.7	24.6	24.5	23.4	23.0	23.2
		1	1	25.7	25.6	25.5	24.5	24.3	24.5
		36	18	25.5	25.5	25.2	24.1	24.1	24.0
		75	0	24.5	24.5	24.5	23.2	23.0	23.1
	16QAM	1	0	23.1	23.4	22.9	22.1	22.0	21.6
		1	1	24.3	24.6	23.9	23.2	22.8	22.9
		36	18	24.0	24.0	24.0	22.7	22.7	22.7
		75	0	23.0	23.0	23.0	21.8	21.7	21.7
	64QAM	1	0	22.7	22.9	22.8	21.8	21.5	21.4
		1	1	23.1	23.0	22.8	21.2	21.5	21.1
		36	18	22.7	22.6	22.5	21.1	21.2	21.2
		75	0	22.6	22.5	22.4	21.2	21.2	21.1
	256QAM	1	0	20.9	21.0	20.2	19.9	19.6	19.6
		1	1	20.9	20.6	20.4	19.4	19.4	19.2
		36	18	20.6	20.3	20.4	19.2	19.1	19.2
		75	0	20.5	20.4	20.4	19.3	19.3	19.2

OUTPUT POWER FOR 5G NR Band n5 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 1			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166800 834.0 MHz	167300 836.5 MHz	167800 839.0 MHz	166800 834.0 MHz	167300 836.5 MHz	167800 839.0 MHz
20.0	BPSK	1	0	25.3	25.1	25.1	24.0	24.1	23.9
		1	1	25.7	25.5	25.4	24.4	24.4	24.4
		50	25	25.1	25.1	19.9	22.3	23.3	24.5
		100	1	23.2	21.8	22.7	22.0	21.2	21.2
	QPSK	1	0	24.6	24.8	24.6	23.4	23.0	23.2
		1	1	25.4	25.7	25.4	24.5	24.3	24.5
		50	25	25.6	25.5	25.6	24.1	24.1	24.0
		100	1	24.6	24.6	24.6	23.2	23.0	23.1
	16QAM	1	0	23.5	24.0	23.4	22.1	22.0	21.6
		1	1	24.8	24.3	24.7	23.2	22.8	22.9
		50	25	24.5	24.4	24.5	22.7	22.7	22.7
		100	1	23.5	23.5	23.4	21.8	21.7	21.7
	64QAM	1	0	23.9	23.3	23.3	21.8	21.5	21.4
		1	1	23.4	23.7	23.0	21.2	21.5	21.1
		50	25	22.9	22.9	22.9	21.1	21.2	21.2
		100	1	23.0	22.9	22.9	21.2	21.2	21.1
	256QAM	1	0	21.4	21.3	21.4	19.9	19.6	19.6
		1	1	20.9	21.5	21.4	19.4	19.4	19.2
		50	25	21.0	21.0	21.0	19.2	19.1	19.2
		100	1	21.0	21.0	21.0	19.3	19.3	19.2

7.4. LTE BAND 7

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 7 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20775	21100	21425	20775	21100	21425	20775	21100	21425	20775	21100	21425
				2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5	2502.5	2535.0	2567.5
5.0	QPSK	1	0	24.2	25.6	24.7	22.3	22.7	22.2	24.6	25.0	24.1	21.2	22.4	22.5
		1	12	24.3	25.6	24.5	22.3	22.7	21.9	24.6	25.0	23.8	21.3	22.4	22.5
		1	24	24.2	25.7	24.3	22.4	22.8	21.7	24.6	25.0	23.7	21.4	22.4	22.5
		12	0	24.1	24.8	24.3	21.4	21.7	21.4	23.9	24.0	23.3	20.2	21.4	21.5
		12	6	24.4	24.8	24.2	21.5	21.8	21.1	24.0	24.0	23.1	20.3	21.5	21.5
	16QAM	12	11	24.4	24.8	23.9	21.5	21.8	21.0	24.0	24.0	23.1	20.4	21.4	21.5
		25	0	23.7	24.7	23.6	21.5	21.9	20.9	23.2	24.0	22.9	20.3	21.4	21.5
		1	0	23.6	25.3	23.8	21.7	22.0	21.5	23.2	24.2	23.6	20.1	21.6	21.5
		1	12	23.8	25.2	23.7	21.8	22.0	21.3	23.3	24.1	23.3	20.3	21.6	21.4
		1	24	24.0	25.2	23.6	21.8	22.1	21.2	23.5	24.1	23.3	20.4	21.6	21.4
	64QAM	12	0	23.2	24.0	23.5	20.7	20.9	20.7	22.9	23.0	22.7	19.3	20.4	20.5
		12	6	23.5	24.0	23.4	20.8	21.0	20.6	23.0	23.1	22.6	19.4	20.5	20.6
		12	11	23.7	24.0	23.3	20.8	21.0	20.4	23.1	23.0	22.4	19.4	20.5	20.5
		25	0	23.0	23.9	22.9	20.7	20.9	20.3	22.5	23.0	22.3	19.3	20.5	20.5
		1	0	22.3	22.6	23.1	19.5	19.7	20.1	21.2	21.4	21.8	19.3	20.6	20.6
	256QAM	1	12	22.3	22.7	23.1	19.8	19.7	20.2	21.6	21.3	21.8	19.4	20.6	20.6
		1	24	22.5	22.7	23.1	20.0	19.7	20.2	21.9	21.4	21.8	19.6	20.6	20.6
		12	0	21.2	21.8	21.8	18.8	18.8	18.8	20.3	20.5	20.4	18.2	19.5	19.5
		12	6	21.3	21.8	21.8	18.8	18.8	18.8	20.7	20.5	20.5	18.4	19.5	19.6
		12	11	21.4	21.8	21.8	18.8	18.8	18.8	20.7	20.5	20.5	18.4	19.5	19.6
		25	0	21.1	21.7	21.8	18.8	18.7	18.8	20.3	20.4	20.4	18.4	19.5	19.5
		1	0	20.6	20.6	20.8	18.2	17.9	18.1	18.7	20.6	20.3	16.1	17.6	17.5
		1	12	20.7	20.6	20.8	18.2	18.0	18.2	19.0	20.6	20.3	16.3	17.5	17.6
		1	24	20.6	20.6	20.8	18.1	17.8	18.1	19.1	20.5	20.2	16.4	17.5	17.4
		12	0	20.7	20.9	20.8	18.2	18.2	18.1	19.1	20.5	20.3	16.3	17.5	17.6
		12	6	20.7	20.8	20.8	18.2	18.2	18.1	19.3	20.6	20.3	16.4	17.6	17.6
		12	11	20.7	20.9	20.8	18.2	18.2	18.1	19.3	20.5	20.3	16.4	17.6	17.6
		25	0	20.6	20.9	20.8	18.2	18.2	18.1	19.3	20.5	20.3	16.4	17.5	17.6

OUTPUT POWER FOR LTE BAND 7 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20800	21100	21400	20800	21100	21400	20800	21100	21400	20800	21100	21400
				2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0	2505.0	2535.0	2565.0
10.0	QPSK	1	0	23.9	25.7	25.2	22.5	22.8	22.4	23.9	25.0	24.9	21.2	22.4	22.5
		1	24	24.0	25.6	24.9	22.5	22.8	21.9	24.1	24.9	24.4	21.4	22.4	22.5
		1	49	24.8	25.5	24.5	22.5	22.6	21.7	24.6	24.8	24.1	21.5	22.4	22.5
		25	0	24.2	25.1	24.4	21.7	21.9	21.7	23.6	24.1	24.0	20.4	21.5	21.4
		25	12	24.5	25.1	24.1	21.8	22.0	21.1	23.7	24.1	23.5	20.4	21.5	21.5
		25	24	24.6	25.0	23.9	21.8	21.8	20.6	23.7	24.0	23.0	20.4	21.5	21.5
	16QAM	50	0	24.4	25.1	24.2	21.7	21.9	21.4	23.7	24.0	23.8	20.3	21.4	21.4
		1	0	24.1	25.1	24.9	21.8	22.0	22.2	23.4	24.1	24.5	20.1	21.5	21.4
		1	24	24.4	25.1	24.6	21.8	21.9	21.6	23.7	24.0	24.0	20.3	21.5	21.4
		1	49	24.7	25.0	24.3	21.9	21.9	21.4	24.1	24.1	23.7	20.4	21.5	21.5
		25	0	23.5	24.2	23.5	21.0	21.0	20.8	22.8	23.1	23.1	19.4	20.5	20.5
		25	12	23.7	24.2	23.3	21.0	21.0	20.3	22.9	23.1	22.6	19.4	20.5	20.5
	64QAM	25	24	23.8	24.2	23.1	21.0	20.9	19.8	22.9	23.1	22.2	19.5	20.5	20.5
		50	0	23.2	24.0	23.2	20.8	20.9	20.3	22.6	23.0	22.7	19.3	20.4	20.4
		1	0	22.0	22.8	22.9	19.7	19.8	19.6	20.5	21.7	21.5	19.2	20.5	20.7
		1	24	22.3	22.8	23.0	19.7	19.8	19.8	21.8	21.7	21.6	19.3	20.4	20.7
		1	49	23.0	22.9	23.0	19.8	19.8	19.9	21.9	21.7	21.7	19.4	20.6	20.8
		25	0	21.1	21.8	21.8	18.6	18.5	18.7	20.5	20.4	20.5	18.4	19.5	19.5
	256QAM	25	12	21.5	21.8	21.9	18.7	18.6	18.8	20.8	20.5	20.5	18.4	19.5	19.5
		25	24	21.7	21.8	21.9	18.7	18.6	18.8	20.7	20.5	20.6	18.5	19.5	19.5
		50	0	21.4	21.7	21.7	18.5	18.5	18.7	20.6	20.4	20.4	18.3	19.4	19.4
		1	0	20.1	20.6	20.7	18.1	17.8	18.0	18.7	20.4	20.5	16.0	17.4	17.1
		1	24	20.5	20.8	20.9	18.2	18.0	18.2	19.2	20.5	20.7	16.4	17.6	17.4
		1	49	20.2	20.7	20.7	18.0	17.8	17.9	19.1	20.2	20.4	16.2	17.3	17.3
		25	0	20.6	20.8	20.7	18.1	18.2	18.1	19.3	20.5	20.3	16.4	17.5	17.5
		25	12	20.6	20.8	20.8	18.2	18.2	18.2	19.4	20.6	20.3	16.4	17.5	17.5
		25	24	20.6	20.8	20.7	18.0	18.2	18.1	19.5	20.5	20.3	16.4	17.5	17.5
		50	0	20.6	20.8	20.7	18.1	18.2	18.1	19.3	20.4	20.2	16.4	17.5	17.4

OUTPUT POWER FOR LTE BAND 7 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20825	21100	21375	20825	21100	21375	20825	21100	21375	20825	21100	21375
				2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5	2507.5	2535.0	2562.5
15.0	QPSK	1	0	24.1	25.7	25.0	21.6	22.8	22.0	23.7	25.0	24.6	21.2	22.4	22.5
		1	37	24.5	25.4	24.8	22.1	22.2	21.6	24.3	24.5	24.2	21.4	22.3	22.4
		1	74	25.0	25.3	24.2	22.3	22.0	21.2	24.6	24.3	23.7	21.6	22.4	22.5
		36	0	24.2	25.1	24.5	21.6	22.0	21.5	23.4	24.2	24.2	20.4	21.4	21.5
		36	16	24.4	24.9	24.3	21.5	21.7	21.2	23.5	24.0	23.7	20.5	21.4	21.5
		36	35	24.4	24.8	23.9	21.1	21.3	20.4	23.4	23.7	23.0	20.4	21.4	21.5
		75	0	24.2	24.7	23.8	21.7	21.8	20.9	23.4	24.1	23.5	20.3	21.4	21.4
	16QAM	1	0	24.1	24.7	24.7	21.8	21.8	21.4	23.1	24.1	24.1	20.1	21.4	21.5
		1	37	24.6	24.6	24.4	21.8	21.4	21.2	23.7	23.9	23.8	20.4	21.4	21.4
		1	74	24.8	24.6	23.9	22.0	21.1	20.8	24.1	23.7	23.4	20.5	21.3	21.5
		36	0	23.5	24.1	23.7	20.7	21.1	20.9	22.5	23.2	23.3	19.4	20.5	20.5
		36	16	23.6	24.2	23.6	20.4	20.9	20.4	22.6	23.2	22.9	19.5	20.5	20.5
		36	35	23.6	24.1	23.3	20.2	20.4	19.8	22.6	22.9	22.4	19.5	20.5	20.5
		75	0	23.3	24.0	23.3	20.5	20.8	20.3	22.5	23.1	22.8	19.4	20.4	20.5
	64QAM	1	0	22.3	23.0	23.5	20.0	19.7	19.6	21.1	21.7	21.5	19.3	20.5	20.4
		1	37	22.9	23.1	23.5	20.0	19.8	19.7	22.2	21.6	21.6	19.6	20.4	20.6
		1	74	23.3	23.0	23.6	20.1	19.8	19.8	22.2	21.7	21.7	19.7	20.6	20.5
		36	0	21.6	22.0	22.0	18.6	18.5	18.7	20.6	20.5	20.5	18.5	19.5	19.5
		36	16	22.1	22.0	22.1	18.6	18.5	18.7	20.8	20.5	20.5	18.6	19.5	19.6
		36	35	22.1	22.0	22.0	18.6	18.6	18.8	20.7	20.5	20.6	18.5	19.5	19.6
		75	0	21.8	21.9	22.0	18.7	18.5	18.6	20.6	20.4	20.4	18.4	19.5	19.5
	256QAM	1	0	20.5	20.5	20.8	18.1	18.2	18.0	18.6	20.6	20.6	16.0	17.4	17.4
		1	37	20.6	20.8	20.9	18.2	18.2	18.1	19.3	20.6	20.7	16.5	17.5	17.5
		1	74	20.6	20.6	20.8	18.2	18.1	18.0	19.3	20.4	20.4	16.4	17.4	17.4
		36	0	20.5	20.8	20.8	18.1	18.2	18.1	19.3	20.4	20.3	16.4	17.5	17.5
		36	16	20.6	20.8	20.9	18.2	18.2	18.2	19.5	20.5	20.3	16.6	17.5	17.6
		36	35	20.6	20.8	20.9	18.2	18.1	18.1	19.6	20.4	20.3	16.5	17.4	17.5
		75	0	20.6	20.8	20.7	18.1	18.2	18.1	19.4	20.4	20.3	16.4	17.5	17.5

OUTPUT POWER FOR LTE BAND 7 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				20850	21100	21350	20850	21100	21350	20850	21100	21350	20850	21100	21350
				2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0	2510.0	2535.0	2560.0
20.0	QPSK	1	0	24.2	25.7	25.5	22.0	22.8	22.2	23.7	25.0	24.6	21.2	22.5	22.5
		1	49	24.9	25.4	25.1	22.1	22.1	21.7	24.2	24.4	24.2	21.5	22.4	22.4
		1	99	25.0	25.3	24.5	22.4	22.0	21.2	24.5	24.4	23.6	21.5	22.4	22.5
		50	0	24.7	25.2	24.9	21.7	21.9	21.7	23.4	24.1	24.1	20.4	21.5	21.4
		50	24	24.8	25.2	24.8	21.2	21.8	21.4	23.4	24.0	23.9	20.5	21.5	21.5
		50	49	24.6	25.0	24.3	20.9	21.1	20.6	23.4	23.5	23.1	20.5	21.5	21.5
		100	0	24.9	25.1	24.6	21.6	21.9	21.2	23.7	24.0	23.8	20.3	21.4	21.4
	16QAM	1	0	24.7	25.7	25.3	21.6	22.7	22.0	23.3	24.8	24.5	20.3	21.5	21.5
		1	49	25.2	25.7	25.1	21.7	22.2	21.7	23.9	24.5	24.2	20.5	21.4	21.5
		1	99	24.9	25.5	24.5	22.2	21.9	21.0	24.4	24.4	23.5	20.6	21.4	21.6
		50	0	23.4	24.3	23.9	20.5	21.1	20.8	22.3	23.1	23.2	19.4	20.5	20.4
		50	24	23.6	24.3	23.8	20.2	20.8	20.5	22.4	23.1	22.9	19.5	20.5	20.5
		50	49	23.4	24.2	23.5	20.0	20.2	19.8	22.5	22.7	22.3	19.5	20.5	20.5
		100	0	23.4	24.0	23.5	20.4	20.7	20.1	22.4	23.0	22.6	19.4	20.4	20.5
	64QAM	1	0	22.2	23.5	23.8	19.6	19.7	20.0	20.8	21.7	21.9	19.2	20.5	20.5
		1	49	23.4	23.5	23.9	19.7	19.7	20.1	21.8	21.5	22.0	19.4	20.4	20.6
		1	99	23.5	23.6	24.0	19.8	19.8	20.2	21.7	21.6	22.0	19.5	20.4	20.6
		50	0	22.1	22.3	22.2	18.6	18.5	18.5	20.5	20.4	20.3	18.5	19.5	19.5
		50	24	22.3	22.3	22.4	18.6	18.6	18.6	20.7	20.4	20.5	18.6	19.5	19.6
		50	49	22.3	22.4	22.4	18.4	18.6	18.6	20.5	20.4	20.4	18.5	19.5	19.6
		100	0	22.2	22.2	22.2	18.6	18.5	18.5	20.4	20.3	20.3	18.4	19.5	19.5
	256QAM	1	0	20.6	20.6	20.8	18.2	17.9	18.1	18.7	20.6	20.3	15.9	17.3	17.3
		1	49	20.7	20.6	20.8	18.2	18.0	18.2	19.0	20.6	20.3	16.5	17.5	17.6
		1	99	20.6	20.6	20.8	18.1	17.8	18.1	19.1	20.5	20.2	16.3	17.3	17.2
		50	0	20.7	20.9	20.8	18.2	18.2	18.1	19.1	20.5	20.3	16.4	17.5	17.4
		50	24	20.7	20.8	20.8	18.2	18.2	18.1	19.3	20.6	20.3	16.6	17.5	17.6
		50	49	20.7	20.9	20.8	18.2	18.2	18.1	19.3	20.5	20.3	16.5	17.4	17.4
		100	0	20.6	20.9	20.8	18.2	18.2	18.1	19.3	20.5	20.3	16.4	17.5	17.5

7.5. LTE BAND 12

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 12 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23017	23095	23173	23017	23095	23173
				699.7	707.5	715.3	699.7	707.5	715.3
1.4	QPSK	1	0	25.5	25.5	25.6	23.8	23.7	23.7
		1	2	25.6	25.6	25.7	23.9	23.8	23.8
		1	5	25.6	25.4	25.6	23.8	23.7	23.7
		3	0	25.5	25.5	25.5	23.8	23.7	23.6
		3	1	25.6	25.6	25.6	23.8	23.8	23.7
		3	2	25.6	25.5	25.7	23.9	23.8	23.7
	16QAM	6	0	24.7	24.6	24.7	22.9	22.9	22.7
		1	0	24.5	24.5	24.5	22.7	22.6	22.6
		1	2	24.6	24.5	24.6	22.8	22.8	22.7
		1	5	24.5	24.5	24.6	22.7	22.6	22.6
		3	0	24.6	24.5	24.7	22.9	22.7	22.8
		3	1	24.7	24.5	24.8	22.9	22.8	22.8
	64QAM	3	2	24.7	24.6	24.8	22.9	22.8	22.9
		6	0	23.7	23.6	23.7	21.9	21.8	21.8
		1	0	23.5	23.7	23.7	21.8	22.0	21.9
		1	2	23.6	23.7	23.8	21.9	22.0	21.9
		1	5	23.6	23.6	23.7	21.9	22.0	21.7
		3	0	23.6	23.6	23.5	21.9	21.8	21.0
	256QAM	3	1	23.7	23.6	23.4	21.9	21.9	21.0
		3	2	23.7	23.6	23.3	21.9	21.8	21.0
		6	0	22.7	22.6	22.4	21.0	20.8	20.0
		1	0	20.6	20.6	20.5	18.9	18.8	18.7
		1	2	20.8	20.7	20.6	19.0	18.9	18.7
		1	5	20.6	20.6	20.6	18.9	18.8	18.7
	256QAM	3	0	20.7	20.6	20.7	18.9	18.9	18.8
		3	1	20.7	20.6	20.8	19.0	18.9	18.9
		3	2	20.7	20.6	20.8	19.0	18.9	18.9
		6	0	20.7	20.6	20.7	19.0	18.9	18.8

OUTPUT POWER FOR LTE BAND 12 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23025	23095	23165	23025	23095	23165
				700.5	707.5	714.5	700.5	707.5	714.5
3.0	QPSK	1	0	25.6	25.6	25.6	23.9	23.9	23.8
		1	7	25.6	25.6	25.6	23.9	23.7	23.7
		1	14	25.6	25.6	25.7	23.9	23.8	23.7
		8	0	24.7	24.7	24.7	23.0	22.9	22.8
		8	4	24.7	24.6	24.8	23.0	22.9	22.8
		8	7	24.7	24.7	24.7	23.0	22.9	22.9
		15	0	24.7	24.7	24.7	23.0	22.9	22.8
	16QAM	1	0	24.6	24.5	24.6	23.0	22.7	22.8
		1	7	24.6	24.5	24.5	22.8	22.9	22.8
		1	14	24.8	24.5	24.6	22.8	22.8	22.7
		8	0	23.7	23.7	23.7	22.0	21.9	21.8
		8	4	23.8	23.7	23.7	22.0	21.9	21.9
		8	7	23.7	23.7	23.7	22.0	21.9	21.9
		15	0	23.7	23.7	23.8	22.0	21.9	21.8
	64QAM	1	0	23.6	23.7	23.5	22.0	21.8	21.8
		1	7	23.6	23.7	23.5	22.0	21.8	21.7
		1	14	23.7	23.8	23.5	22.0	21.9	21.7
		8	0	22.7	22.7	22.7	21.0	20.9	20.5
		8	4	22.7	22.7	22.7	21.0	21.0	20.3
		8	7	22.7	22.7	22.4	21.0	20.9	20.0
		15	0	22.7	22.7	22.6	21.0	20.9	20.1
	256QAM	1	0	20.7	20.5	20.7	18.9	18.9	19.0
		1	7	20.7	20.5	20.8	18.9	18.9	19.0
		1	14	20.7	20.6	20.8	18.8	18.9	19.0
		8	0	20.7	20.7	20.7	19.0	18.9	18.8
		8	4	20.7	20.7	20.8	19.0	19.0	18.8
		8	7	20.7	20.6	20.7	19.0	19.0	18.9
		15	0	20.7	20.7	20.8	19.1	18.9	18.9

OUTPUT POWER FOR LTE BAND 12 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23035	23095	23155	23035	23095	23155
				701.5	707.5	713.5	701.5	707.5	713.5
5.0	QPSK	1	0	25.6	25.5	25.6	23.9	23.8	23.8
		1	12	25.7	25.6	25.7	23.9	23.8	23.7
		1	24	25.6	25.6	25.7	23.8	23.8	23.8
		12	0	24.8	24.7	24.7	23.0	22.9	22.8
		12	6	24.8	24.7	24.8	23.0	22.9	22.9
		12	11	24.7	24.7	24.7	23.0	22.9	22.8
		25	0	24.7	24.7	24.7	23.0	22.9	22.8
	16QAM	1	0	24.8	24.8	24.6	22.9	22.7	22.8
		1	12	24.8	24.7	24.6	23.0	22.8	22.7
		1	24	24.7	24.5	24.7	22.9	22.8	22.7
		12	0	23.7	23.7	23.7	22.0	22.0	21.9
		12	6	23.7	23.7	23.8	22.0	22.0	21.9
		12	11	23.7	23.7	23.7	22.0	21.9	21.8
		25	0	23.7	23.7	23.7	22.0	21.9	21.9
	64QAM	1	0	23.7	23.7	23.7	21.9	21.9	21.8
		1	12	23.8	23.7	23.7	21.9	22.0	21.8
		1	24	23.7	23.7	23.8	21.9	21.8	21.8
		12	0	22.8	22.7	22.7	21.0	21.0	20.8
		12	6	22.8	22.7	22.8	20.9	21.0	20.8
		12	11	22.7	22.7	22.7	20.7	20.9	20.4
		25	0	22.7	22.7	22.6	20.8	20.9	20.7
	256QAM	1	0	20.9	20.6	20.6	19.2	18.9	18.7
		1	12	20.7	20.6	20.7	18.9	18.9	18.8
		1	24	20.7	20.7	20.7	18.9	18.8	18.9
		12	0	20.7	20.7	20.7	19.0	19.0	18.9
		12	6	20.8	20.7	20.8	19.0	19.0	18.9
		12	11	20.7	20.7	20.8	19.0	19.0	18.9
		25	0	20.8	20.7	20.8	19.0	18.9	18.9

OUTPUT POWER FOR LTE BAND 12 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23060 704.0	23095 707.5	23130 711.0	23060 704.0	23095 707.5	23130 711.0
10.0	QPSK	1	0	25.7	25.6	25.6	23.9	23.8	23.7
		1	24	25.7	25.6	25.6	23.9	23.8	23.7
		1	49	25.6	25.6	25.6	23.8	23.7	23.7
		25	0	24.6	24.6	24.6	22.8	22.8	22.8
		25	12	24.7	24.7	24.7	23.0	22.9	22.8
		25	24	24.6	24.7	24.7	22.9	22.9	22.8
	16QAM	50	0	24.7	24.7	24.7	22.9	22.9	22.8
		1	0	24.7	24.5	24.6	22.8	22.8	22.9
		1	24	24.5	24.5	24.7	22.8	22.9	22.8
		1	49	24.6	24.6	24.7	22.8	22.7	22.7
		25	0	23.6	23.6	23.6	21.8	21.8	21.8
		25	12	23.8	23.7	23.7	22.0	22.0	21.9
	64QAM	25	24	23.7	23.7	23.7	21.9	21.9	21.9
		50	0	23.7	23.7	23.7	21.9	21.9	21.7
		1	0	23.8	23.6	23.6	22.0	21.8	21.9
		1	24	23.8	23.6	23.8	22.0	21.7	21.9
		1	49	23.7	23.7	23.7	22.0	21.7	21.8
		25	0	22.6	22.6	22.6	20.9	20.8	20.8
	256QAM	25	12	22.8	22.8	22.7	21.0	21.0	20.8
		25	24	22.7	22.7	22.7	20.9	20.9	20.9
		50	0	22.7	22.7	22.7	20.9	20.9	20.7
		1	0	20.3	20.3	20.5	18.5	18.7	18.7
		1	24	20.6	20.6	20.9	18.9	19.0	18.9
		1	49	20.3	20.5	20.6	18.8	18.8	18.8
		25	0	20.6	20.6	20.6	18.8	18.8	18.7
		25	12	20.8	20.8	20.7	19.0	19.0	18.8
		25	24	20.7	20.7	20.7	18.9	18.9	18.9
		50	0	20.7	20.7	20.7	18.9	18.9	18.8

7.6. 5G NR Band n12

Test Engineer ID:	19171	Test Date:	8/20/2020
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OUTPUT POWER FOR 5G NR Band n12 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 1			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				141300	141500	141700	141300	141500	141700
				706.5 MHz	707.5 MHz	708.5 MHz	706.5 MHz	707.5 MHz	708.5 MHz
15.0	BPSK	1	0	24.6	24.6	24.6	23.1	23.2	23.1
		1	1	25.5	25.4	25.5	23.6	23.9	23.7
		36	18	25.7	25.7	25.6	23.8	23.6	23.2
		75	0	25.2	25.2	24.5	23.2	23.1	23.1
	QPSK	1	0	24.6	24.5	24.3	22.7	22.8	22.7
		1	1	25.5	25.5	25.6	23.7	23.9	23.8
		36	18	25.3	25.3	25.4	23.7	23.7	23.7
		75	0	24.3	24.4	24.4	22.7	22.7	22.7
	16QAM	1	0	23.4	23.3	23.5	22.1	22.0	22.1
		1	1	24.6	24.4	24.3	23.2	23.2	23.1
		36	18	24.3	24.4	24.4	22.8	22.7	22.6
		75	0	23.4	23.4	23.4	21.7	21.7	21.7
	64QAM	1	0	23.0	23.2	23.6	21.5	21.3	21.1
		1	1	23.5	23.1	23.1	21.3	21.3	21.3
		36	18	23.0	23.0	22.9	21.4	21.4	21.3
		75	0	22.9	22.9	22.9	21.4	21.2	21.3
	256QAM	1	0	21.3	21.4	21.1	19.5	19.2	19.3
		1	1	21.1	21.6	21.2	19.5	19.6	19.4
		36	18	20.8	20.7	20.7	19.2	19.2	19.2
		75	0	20.8	20.8	20.7	19.2	19.2	19.2

7.7. LTE BAND 13

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 13 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23205	23230	23255	23205	23230	23255
				779.5	782.0	784.5	779.5	782.0	784.5
5.0	QPSK	1	0	25.3	25.6	25.6	23.7	23.9	23.8
		1	12	25.4	25.7	25.6	23.7	23.9	23.8
		1	24	25.5	25.7	25.6	23.8	23.9	23.8
		12	0	24.4	24.5	24.6	22.7	22.8	22.8
		12	6	24.5	24.7	24.7	22.8	22.9	22.8
		12	11	24.5	24.6	24.7	22.8	22.9	22.9
	16QAM	25	0	24.5	24.6	24.7	22.9	22.8	22.9
		1	0	24.6	24.8	25.2	22.9	23.0	23.4
		1	12	24.7	24.9	25.3	23.1	23.1	23.4
		1	24	24.8	24.9	25.3	23.1	23.1	23.5
		12	0	23.6	23.7	23.8	21.8	21.9	22.0
		12	6	23.6	23.7	23.9	21.9	22.0	22.0
	64QAM	12	11	23.6	23.7	23.8	21.9	22.0	22.1
		25	0	23.5	23.7	23.8	21.8	21.9	22.0
		1	0	23.7	23.5	23.9	21.9	21.5	21.9
		1	12	23.8	23.6	23.9	22.0	21.6	21.9
		1	24	23.9	23.6	23.9	22.0	21.6	22.0
		12	0	22.6	22.6	22.5	20.6	20.6	20.6
	256QAM	12	6	22.7	22.7	22.6	20.8	20.7	20.7
		12	11	22.7	22.7	22.6	20.7	20.7	20.7
		25	0	22.7	22.6	22.6	20.7	20.6	20.7
		1	0	20.9	20.8	20.8	17.2	17.7	17.7
		1	12	20.9	20.8	20.8	17.4	17.9	17.8
		1	24	20.9	20.8	20.8	17.5	17.9	17.8
		12	0	20.9	20.8	20.8	17.5	17.7	17.7
		12	6	20.9	20.8	20.8	17.7	17.8	17.8
		12	11	20.9	20.8	20.8	17.7	17.8	17.8
		25	0	20.9	20.8	20.8	17.7	17.8	17.8

OUTPUT POWER FOR LTE BAND 13 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23230	N/A	N/A	23230	N/A
				N/A	782.0	N/A	N/A	782.0	N/A
10.0	QPSK	1	0		25.6			23.8	
		1	24		25.7			23.9	
		1	49		25.6			23.8	
		25	0		24.8			23.0	
		25	12		24.8			23.0	
		25	24		24.9			23.0	
	16QAM	50	0		24.8			22.9	
		1	0		24.8			23.0	
		1	24		24.9			23.0	
		1	49		24.8			23.0	
		25	0		24.0			22.1	
		25	12		24.0			22.1	
	64QAM	25	24		24.0			22.2	
		50	0		23.8			22.0	
		1	0		24.0			22.0	
		1	24		24.1			22.0	
		1	49		24.0			22.0	
		25	0		22.8			20.9	
	256QAM	25	12		22.9			20.9	
		25	24		22.9			21.0	
		50	0		22.8			20.8	
		1	0		21.1			17.2	
		1	24		21.1			17.6	
		1	49		21.1			17.4	
		25	0		21.1			17.7	
		25	12		20.9			17.9	
		25	24		20.9			17.9	
		50	0		20.9			17.8	

7.8. LTE BAND 14

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 14 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23305	23330	23355	23305	23330	23355
				790.5	793.0	795.5	790.5	793.0	795.5
5.0	QPSK	1	0	25.4	25.6	25.6	23.7	23.8	23.7
		1	12	25.5	25.7	25.7	23.8	23.9	23.9
		1	24	25.5	25.6	25.6	23.7	23.9	23.8
		12	0	24.5	24.6	24.7	22.8	22.8	22.9
		12	6	24.6	24.7	24.8	22.9	22.8	23.0
		12	11	24.6	24.6	24.7	22.8	22.8	22.9
		25	0	24.6	24.7	24.7	22.8	22.9	22.9
	16QAM	1	0	24.7	24.8	25.2	23.0	23.0	23.4
		1	12	24.8	24.9	25.2	23.0	23.1	23.4
		1	24	24.8	24.8	25.2	23.0	23.0	23.4
		12	0	23.7	23.8	23.9	21.9	22.0	22.0
		12	6	23.7	23.8	23.9	22.0	22.0	22.1
		12	11	23.7	23.7	23.8	21.9	21.9	22.0
		25	0	23.6	23.7	23.8	21.8	21.9	22.0
	64QAM	1	0	23.5	23.9	23.9	21.8	21.5	21.8
		1	12	23.6	24.0	23.9	21.9	21.6	22.0
		1	24	23.6	23.9	23.9	21.8	21.5	21.9
		12	0	22.7	22.6	22.8	20.6	20.6	20.5
		12	6	22.8	22.6	22.8	20.7	20.6	20.6
		12	11	22.7	22.6	22.7	20.6	20.6	20.5
		25	0	22.7	22.7	22.7	20.6	20.6	20.6
	256QAM	1	0	20.2	19.9	20.1	17.4	17.8	17.8
		1	12	20.3	19.9	20.2	17.6	17.8	17.9
		1	24	20.1	19.9	20.2	17.6	17.8	17.9
		12	0	20.2	20.2	20.1	17.8	17.8	17.9
		12	6	20.2	20.2	20.1	17.9	17.9	17.9
		12	11	20.1	20.1	20.1	17.8	17.8	17.8
		25	0	20.2	20.2	20.1	17.7	17.7	17.6

OUTPUT POWER FOR LTE BAND 14 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	23330	N/A	N/A	23330	N/A
				N/A	793.0	N/A	N/A	793.0	N/A
10.0	QPSK	1	0		25.7			23.9	
		1	24		25.7			23.8	
		1	49		25.6			23.8	
		25	0		24.7			22.9	
		25	12		24.8			23.0	
		25	24		24.8			22.9	
		50	0		24.7			22.9	
	16QAM	1	0		24.9			23.1	
		1	24		24.8			22.9	
		1	49		24.8			22.9	
		25	0		23.9			21.9	
		25	12		23.9			22.1	
		25	24		23.9			22.0	
		50	0		23.7			21.9	
	64QAM	1	0		24.0			21.8	
		1	24		24.0			21.8	
		1	49		24.0			21.8	
		25	0		22.8			20.6	
		25	12		22.8			20.7	
		25	24		22.8			20.7	
		50	0		22.8			20.6	
	256QAM	1	0		19.7			17.4	
		1	24		20.0			17.8	
		1	49		19.8			17.5	
		25	0		20.1			17.9	
		25	12		20.2			18.0	
		25	24		20.1			17.8	
		50	0		20.1			17.9	

7.9. LTE BAND 17

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 17 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23755	23790	23825	23755	23790	23825
				706.5	710.0	713.5	706.5	710.0	713.5
5.0	QPSK	1	0	25.5	25.6	25.6	23.7	23.8	23.8
		1	12	25.5	25.7	25.7	23.7	23.9	23.8
		1	24	25.6	25.7	25.7	23.8	23.9	23.8
		12	0	24.5	24.6	24.7	22.7	22.8	22.9
		12	6	24.6	24.7	24.8	22.8	22.8	22.9
		12	11	24.6	24.7	24.8	22.8	22.9	22.9
		25	0	24.7	24.7	24.7	22.8	22.8	22.9
	16QAM	1	0	24.8	24.8	25.2	22.9	23.0	23.4
		1	12	24.8	24.9	25.3	23.0	23.0	23.4
		1	24	24.8	24.9	25.2	23.1	23.1	23.4
		12	0	23.7	23.8	23.9	21.8	21.9	22.0
		12	6	23.7	23.8	24.0	21.9	21.9	22.1
		12	11	23.7	23.8	23.9	21.9	22.0	22.1
		25	0	23.7	23.7	23.8	21.8	21.9	21.9
	64QAM	1	0	23.9	23.6	24.0	21.9	21.6	22.1
		1	12	24.0	23.7	24.1	22.1	21.7	22.1
		1	24	24.1	23.7	24.1	22.1	21.7	22.0
		12	0	22.8	22.8	22.7	20.8	20.7	20.7
		12	6	22.9	22.8	22.8	20.9	20.8	20.8
		12	11	22.9	22.8	22.7	20.9	20.9	20.7
		25	0	22.8	22.7	22.7	20.8	20.7	20.7
	256QAM	1	0	20.0	20.3	20.3	18.7	18.9	19.0
		1	12	20.1	20.3	20.3	18.7	19.0	19.0
		1	24	20.1	20.4	20.3	18.7	19.0	19.0
		12	0	20.4	20.3	20.3	18.9	18.9	18.9
		12	6	20.4	20.3	20.3	19.0	18.9	19.0
		12	11	20.4	20.3	20.4	18.9	18.9	19.0
		25	0	20.4	20.3	20.3	19.0	18.9	18.9

OUTPUT POWER FOR LTE BAND 17 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				23780	23790	23800	23780	23790	23800
				709.0	710.0	711.0	709.0	710.0	711.0
10.0	QPSK	1	0	25.6	25.6	25.7	23.8	23.8	23.9
		1	24	25.6	25.6	25.7	23.8	23.8	23.8
		1	49	25.5	25.7	25.7	23.8	23.8	23.8
		25	0	24.7	24.8	24.8	22.9	22.9	23.0
		25	12	24.8	24.8	24.8	23.0	22.9	22.9
		25	24	24.8	24.8	24.8	22.9	23.0	23.0
	16QAM	50	0	24.8	24.8	24.8	22.9	22.9	22.9
		1	0	24.8	24.7	25.2	23.2	23.0	22.9
		1	24	24.7	24.7	25.2	23.3	22.9	22.9
		1	49	24.7	24.7	25.2	23.3	22.9	22.8
		25	0	23.8	23.8	23.8	22.0	22.0	22.0
		25	12	23.9	23.8	23.8	22.0	22.0	22.0
	64QAM	25	24	23.9	23.8	23.9	21.9	22.1	22.0
		50	0	23.9	23.7	23.8	22.0	22.0	21.9
		1	0	23.9	24.0	23.7	21.9	22.0	21.8
		1	24	24.0	24.1	23.9	21.9	22.1	21.9
		1	49	23.9	24.1	23.9	22.0	22.1	22.0
		25	0	22.8	22.8	22.9	20.8	20.8	20.9
	256QAM	25	12	22.9	22.8	22.9	20.9	20.8	20.9
		25	24	23.0	22.9	22.9	21.0	20.9	21.0
		50	0	22.8	22.7	22.8	20.8	20.8	20.8
		1	0	20.2	20.4	20.5	18.8	19.0	19.2
		1	24	20.2	20.3	20.5	18.8	19.0	19.1
		1	49	20.2	20.3	20.5	18.8	19.0	19.0
		25	0	20.3	20.2	20.3	18.9	18.8	18.9
		25	12	20.4	20.4	20.3	19.0	18.9	19.0
		25	24	20.3	20.3	20.4	19.0	18.9	18.9
		50	0	20.4	20.3	20.3	19.0	18.9	19.0

7.10. LTE BAND 25

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 25 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26047	26365	26683	26047	26365	26683	26047	26365	26683	26047	26365	26683
				1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3
1.4	QPSK	1	0	25.5	25.5	25.2	22.9	22.9	22.7	23.7	24.8	24.9	22.8	23.0	22.8
		1	2	25.7	25.6	25.3	23.1	22.9	22.8	24.7	24.9	25.0	22.9	23.0	23.0
		1	5	25.6	25.5	25.3	23.1	22.9	22.7	24.7	24.8	25.0	22.8	22.9	22.9
		3	0	25.6	25.5	25.3	23.0	22.9	22.7	24.6	24.8	25.0	22.8	22.9	22.9
		3	1	25.7	25.5	25.3	23.0	22.9	22.7	24.7	24.8	25.0	22.9	23.0	22.9
		3	2	25.7	25.5	25.3	23.0	22.9	22.7	24.7	24.8	25.0	22.9	23.0	22.9
	16QAM	6	0	24.7	24.6	24.4	22.0	22.0	21.7	23.7	23.9	24.0	21.9	22.0	21.9
		1	0	24.6	24.5	24.2	21.9	21.8	21.7	23.6	23.7	24.2	21.7	21.9	21.9
		1	2	24.6	24.6	24.2	22.0	21.9	21.7	23.6	23.9	24.2	21.9	21.9	22.0
		1	5	24.7	24.5	24.2	22.0	21.8	21.7	23.6	23.8	24.2	21.8	21.9	21.9
		3	0	24.7	24.6	24.3	22.1	21.9	21.8	23.7	23.7	24.0	21.9	22.0	22.0
		3	1	24.8	24.6	24.3	22.1	21.9	21.8	23.7	23.8	24.1	22.0	22.0	22.0
	64QAM	3	2	24.8	24.6	24.3	22.1	21.9	21.9	23.8	23.8	24.0	21.9	22.0	22.1
		6	0	23.7	23.5	23.3	21.1	20.9	20.7	22.7	22.8	22.7	20.9	21.0	21.0
		1	0	23.7	23.4	23.4	20.9	21.0	20.8	22.6	22.5	22.2	20.7	21.1	20.9
		1	2	23.8	23.5	23.5	21.0	21.1	20.9	23.0	22.6	22.3	20.8	21.1	20.9
		1	5	23.8	23.4	23.5	21.1	21.1	20.8	22.9	22.5	22.3	20.8	21.1	20.7
		3	0	23.7	23.5	23.3	21.1	20.9	20.8	22.8	22.6	22.1	20.9	21.0	21.0
	256QAM	3	1	23.8	23.6	23.4	21.1	21.0	20.8	22.8	22.6	22.1	20.9	21.1	21.1
		3	2	23.8	23.6	23.4	21.1	21.0	20.9	22.9	22.6	22.1	20.9	21.1	21.1
		6	0	22.7	22.6	22.3	20.1	19.9	19.8	21.5	21.7	21.2	19.9	20.0	20.0
		1	0	21.0	21.0	20.7	18.3	18.2	17.9	19.9	19.6	20.0	18.1	18.2	18.1
		1	2	21.1	21.1	20.8	18.4	18.3	18.0	20.1	19.7	20.1	18.3	18.3	18.3
		1	5	21.0	21.0	20.7	18.4	18.2	17.9	20.0	19.7	20.0	18.2	18.3	18.2
		3	0	21.1	20.9	20.7	18.3	18.2	18.1	19.8	19.7	20.1	18.2	18.3	18.3
		3	1	21.2	21.0	20.8	18.4	18.3	18.1	19.9	19.7	20.2	18.2	18.4	18.4
		3	2	21.2	21.0	20.7	18.4	18.3	18.1	19.9	19.8	20.2	18.2	18.4	18.4
		6	0	21.1	21.0	20.7	18.4	18.2	18.0	19.7	19.9	20.0	18.2	18.3	18.3

OUTPUT POWER FOR LTE BAND 25 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26055	26365	26675	26055	26365	26675	26055	26365	26675	26055	26365	26675
				1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5
3.0	QPSK	1	0	25.6	25.6	25.3	23.0	22.9	22.7	24.5	24.7	24.9	22.9	22.9	22.9
		1	7	25.6	25.5	25.4	23.0	22.9	22.7	24.5	24.7	24.9	22.9	22.9	23.0
		1	14	25.7	25.5	25.4	23.1	23.0	22.7	24.6	24.8	25.0	22.9	23.0	22.9
		8	0	24.7	24.6	24.3	22.1	21.9	21.8	23.6	23.8	23.9	21.9	22.0	22.0
		8	4	24.7	24.7	24.4	22.1	22.0	21.8	23.7	23.9	23.9	22.0	22.1	22.0
		8	7	24.7	24.7	24.4	22.1	22.0	21.8	23.7	23.9	23.9	22.0	22.1	22.1
		15	0	24.7	24.6	24.4	22.1	22.0	21.8	23.7	23.8	23.9	22.0	22.1	22.0
	16QAM	1	0	24.6	24.5	24.4	21.9	21.8	21.7	23.2	23.2	23.8	21.8	22.0	21.9
		1	7	24.6	24.5	24.4	22.1	21.9	21.8	23.2	23.2	23.8	21.8	22.0	22.0
		1	14	24.7	24.6	24.5	22.1	21.9	21.8	23.3	23.3	23.9	21.9	22.2	22.0
		8	0	23.8	23.6	23.3	21.1	20.9	20.8	22.2	22.4	22.4	20.9	21.0	21.0
		8	4	23.8	23.6	23.4	21.2	21.0	20.8	22.3	22.4	22.5	21.0	21.1	21.1
		8	7	23.8	23.6	23.4	21.2	21.0	20.8	22.3	22.5	22.5	20.9	21.1	21.1
		15	0	23.7	23.6	23.3	21.1	21.0	20.8	22.2	22.4	22.5	21.0	21.1	21.0
	64QAM	1	0	23.8	23.5	23.3	21.0	20.8	20.8	22.6	22.6	22.1	20.8	21.0	21.1
		1	7	23.7	23.4	23.3	21.2	20.9	20.8	22.6	22.6	22.1	20.8	21.0	21.2
		1	14	23.8	23.6	23.4	21.3	20.9	20.8	22.7	22.7	22.2	20.9	21.2	20.8
		8	0	22.7	22.6	22.3	20.1	20.0	19.8	21.4	21.4	21.1	20.0	20.0	20.0
		8	4	22.8	22.7	22.4	20.2	20.0	19.8	21.4	21.4	21.1	20.0	20.1	20.0
		8	7	22.7	22.6	22.4	20.1	20.0	19.8	21.5	21.5	21.2	20.0	20.1	20.1
		15	0	22.7	22.6	22.3	20.1	20.0	19.8	21.5	21.4	21.1	20.0	20.1	20.0
	256QAM	1	0	21.0	21.0	20.8	18.3	18.3	18.2	20.3	19.8	20.0	18.2	18.3	18.2
		1	7	21.1	21.1	20.8	18.4	18.3	18.1	20.4	19.7	20.1	18.4	18.4	18.3
		1	14	21.1	21.1	20.8	18.4	18.4	18.1	20.5	19.8	20.1	18.4	18.5	18.3
		8	0	21.1	21.1	20.8	18.4	18.3	18.1	20.0	19.8	20.2	18.3	18.3	18.3
		8	4	21.2	21.1	20.8	18.5	18.4	18.1	20.0	19.9	20.2	18.3	18.5	18.4
		8	7	21.2	21.1	20.8	18.5	18.4	18.1	20.0	19.9	20.3	18.3	18.4	18.4
		15	0	21.2	21.1	20.8	18.5	18.3	18.1	20.0	20.0	20.2	18.3	18.4	18.3

OUTPUT POWER FOR LTE BAND 25 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26065	26365	26665	26065	26365	26665	26065	26365	26665	26065	26365	26665
				1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
5.0	QPSK	1	0	25.6	25.5	25.3	23.0	22.9	22.8	24.6	24.8	24.9	22.7	22.8	22.8
		1	24	25.7	25.6	25.3	23.1	23.0	22.8	24.7	24.9	25.0	22.8	22.9	22.9
		1	49	25.7	25.6	25.4	23.1	23.0	22.8	24.7	25.0	25.0	22.8	23.0	22.9
		25	0	24.7	24.6	24.3	22.1	21.9	21.8	23.7	23.8	23.9	21.8	21.9	21.9
		25	12	24.8	24.7	24.4	22.1	22.1	21.8	23.8	23.9	24.0	21.9	22.0	21.9
		25	24	24.8	24.7	24.4	22.2	22.0	21.8	23.8	23.9	24.0	21.9	22.0	22.0
		50	0	24.8	24.7	24.4	22.1	22.0	21.7	23.7	23.9	24.0	21.9	22.0	21.9
	16QAM	1	0	24.8	24.6	24.2	22.1	21.8	21.7	23.3	23.5	23.9	21.8	21.8	22.0
		1	24	24.9	24.6	24.3	22.2	21.9	21.7	23.4	23.5	24.0	21.9	21.9	22.0
		1	49	24.9	24.6	24.4	22.3	22.0	21.7	23.5	23.7	24.0	22.0	22.0	22.0
		25	0	23.7	23.7	23.3	21.1	20.9	20.8	22.3	22.4	22.6	20.9	21.0	20.9
		25	12	23.7	23.7	23.4	21.2	21.0	20.8	22.3	22.5	22.6	20.9	21.0	21.0
		25	24	23.8	23.7	23.4	21.2	21.0	20.9	22.3	22.5	22.7	20.9	21.1	21.0
		50	0	23.8	23.6	23.4	21.2	21.0	20.8	22.2	22.4	22.6	20.9	21.0	20.9
	64QAM	1	0	23.8	23.7	23.4	21.1	21.0	20.9	22.6	22.3	22.4	21.0	20.9	21.1
		1	24	23.8	23.8	23.5	21.2	21.1	20.8	22.7	22.3	22.4	20.9	21.1	21.0
		1	49	23.7	23.7	23.4	21.3	21.1	20.9	22.7	22.4	22.4	20.9	21.0	20.7
		25	0	22.7	22.6	22.3	20.2	20.0	19.8	21.5	21.4	21.1	19.9	20.0	19.9
		25	12	22.7	22.7	22.4	20.2	20.1	19.8	21.6	21.5	21.1	20.0	20.1	20.0
		25	24	22.8	22.7	22.4	20.2	20.1	19.9	21.6	21.5	21.1	20.0	20.1	20.1
		50	0	22.7	22.7	22.3	20.2	20.1	19.8	21.5	21.4	21.1	19.9	20.0	19.9
	256QAM	1	0	21.1	21.1	20.7	18.3	18.2	18.1	20.0	19.9	19.7	18.2	18.3	18.4
		1	24	21.3	21.1	20.8	18.5	18.3	18.1	20.1	20.0	19.9	18.3	18.5	18.5
		1	49	21.2	21.1	20.8	18.5	18.4	18.2	20.1	20.1	19.9	18.3	18.4	18.6
		25	0	21.1	21.1	20.8	18.5	18.3	18.1	20.0	19.9	20.0	18.3	18.4	18.3
		25	12	21.2	21.1	20.9	18.5	18.4	18.1	20.0	19.9	20.1	18.4	18.5	18.4
		25	24	21.2	21.1	20.9	18.5	18.4	18.2	20.0	20.0	20.1	18.3	18.5	18.5
		50	0	21.2	21.1	20.8	18.5	18.4	18.1	20.0	19.9	20.1	18.3	18.5	18.3

OUTPUT POWER FOR LTE BAND 25 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26090	26365	26640	26090	26365	26640	26090	26365	26640	26090	26365	26640
				1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0	1855.0	1882.5	1910.0
10.0	QPSK	1	0	25.4	25.4	25.4	22.8	22.7	22.9	24.5	24.7	25.0	22.6	22.7	22.8
		1	24	25.7	25.6	25.4	23.1	22.9	22.8	24.8	24.9	25.0	22.8	22.9	22.9
		1	49	25.4	25.4	25.3	22.8	22.7	22.7	24.6	24.8	25.0	22.6	22.7	23.0
		25	0	24.6	24.6	24.4	22.0	21.8	21.7	23.8	23.9	24.0	21.8	21.9	21.8
		25	12	24.7	24.7	24.4	22.1	22.0	21.8	23.9	24.0	24.2	21.9	22.0	21.9
		25	24	24.6	24.6	24.4	22.1	22.0	21.8	23.8	24.0	24.1	21.8	21.9	21.9
		50	0	24.7	24.6	24.4	22.1	21.9	21.7	23.8	24.0	24.1	21.8	22.0	21.9
	16QAM	1	0	24.3	24.4	24.4	21.7	21.6	21.9	23.4	23.9	23.8	21.7	21.6	21.9
		1	24	24.6	24.6	24.3	22.0	21.8	21.8	23.5	24.1	23.9	21.8	21.9	21.9
		1	49	24.4	24.4	24.3	21.6	21.7	21.8	23.4	24.0	24.0	21.5	21.8	22.0
		25	0	23.7	23.6	23.4	21.0	20.9	20.8	22.6	22.7	22.9	20.8	20.9	20.8
		25	12	23.8	23.7	23.4	21.1	21.0	20.8	22.7	22.9	23.0	21.0	21.1	20.9
		25	24	23.7	23.6	23.4	21.1	21.0	20.8	22.7	22.9	23.0	20.9	21.0	21.0
		50	0	23.6	23.6	23.4	21.1	20.9	20.7	22.6	22.8	22.9	20.9	21.0	20.8
	64QAM	1	0	23.3	23.4	23.6	20.9	20.5	20.9	22.5	22.4	22.3	20.7	20.6	20.8
		1	24	23.6	23.5	23.6	21.2	20.8	20.8	22.8	22.8	22.3	21.0	20.9	20.8
		1	49	23.4	23.4	23.6	21.1	20.7	20.8	22.4	22.6	22.4	20.8	20.7	21.0
		25	0	22.7	22.6	22.3	20.0	19.9	19.8	21.5	21.4	21.2	19.8	19.9	19.9
		25	12	22.8	22.7	22.5	20.2	20.1	19.8	21.7	21.6	21.4	19.9	20.1	19.9
		25	24	22.7	22.6	22.4	20.1	20.0	19.8	21.6	21.6	21.3	19.9	20.0	20.0
		50	0	22.6	22.6	22.4	20.1	19.9	19.7	21.5	21.5	21.2	19.9	20.0	19.9
	256QAM	1	0	20.9	20.9	20.6	18.2	18.0	17.9	19.5	19.7	20.2	18.0	18.1	18.1
		1	24	21.0	21.1	20.6	18.5	18.3	18.2	19.8	20.0	20.5	18.2	18.4	18.3
		1	49	21.0	20.8	20.6	18.1	18.1	18.1	19.5	19.8	20.4	17.9	18.1	18.2
		25	0	21.1	21.0	20.8	18.4	18.2	18.1	19.9	19.9	20.0	18.2	18.3	18.2
		25	12	21.2	21.1	20.9	18.5	18.4	18.1	20.0	20.0	20.1	18.3	18.5	18.3
		25	24	21.1	21.1	20.8	18.5	18.4	18.1	20.0	20.0	20.1	18.2	18.4	18.4
		50	0	21.1	21.1	20.8	18.4	18.3	18.1	19.9	19.9	20.0	18.2	18.4	18.3

OUTPUT POWER FOR LTE BAND 25 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26115	26365	26615	26115	26365	26615	26115	26365	26615	26115	26365	26615
				1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
15.0	QPSK	1	0	25.5	25.6	25.5	22.8	23.0	23.0	24.5	24.9	25.0	22.6	22.9	22.9
		1	37	25.6	25.7	25.4	23.1	23.0	22.9	24.7	24.9	25.0	22.8	22.9	22.8
		1	74	25.5	25.7	25.5	22.9	23.1	22.8	24.7	25.0	25.0	22.6	23.0	22.9
		36	0	24.7	24.6	24.4	22.0	21.8	21.8	23.6	23.8	23.9	21.7	21.8	21.7
		36	16	24.8	24.7	24.4	22.1	21.9	21.8	23.8	24.0	24.0	21.8	21.9	21.8
		36	35	24.7	24.7	24.5	22.1	22.0	21.8	23.8	24.0	24.1	21.8	22.0	21.9
		75	0	24.7	24.7	24.4	22.0	21.9	21.8	23.7	23.9	24.0	21.7	21.9	21.9
	16QAM	1	0	24.4	24.6	24.4	21.8	21.8	21.9	23.4	23.8	23.5	21.6	21.7	21.8
		1	37	24.6	24.7	24.5	22.0	22.0	22.0	23.6	23.8	23.4	21.7	22.0	21.9
		1	74	24.5	24.7	24.5	21.8	22.3	21.8	23.6	24.0	23.5	21.6	22.2	21.9
		36	0	23.7	23.6	23.4	21.0	20.8	20.8	22.2	22.3	22.4	20.7	20.8	20.8
		36	16	23.8	23.7	23.5	21.2	20.9	20.9	22.4	22.5	22.5	20.8	20.9	20.8
		36	35	23.7	23.7	23.5	21.1	21.0	20.8	22.4	22.5	22.6	20.8	21.0	20.9
		75	0	23.7	23.6	23.4	21.1	20.9	20.8	22.3	22.4	22.3	20.8	20.9	20.9
	64QAM	1	0	23.6	23.7	23.5	21.0	20.9	21.0	22.9	22.8	22.6	20.7	20.9	20.8
		1	37	23.8	23.8	23.5	21.2	21.1	20.8	23.2	22.9	22.5	21.0	20.9	20.9
		1	74	23.6	23.7	23.6	21.0	21.2	20.8	23.0	22.9	22.5	20.8	21.0	20.8
		36	0	22.7	22.6	22.4	20.0	19.8	19.9	21.6	21.5	21.4	19.7	19.9	19.8
		36	16	22.8	22.7	22.5	20.2	20.0	19.9	21.7	21.6	21.4	19.9	20.0	19.9
		36	35	22.7	22.7	22.5	20.1	20.1	19.9	21.6	21.7	21.5	19.9	20.0	19.9
		75	0	22.7	22.7	22.4	20.1	19.9	19.8	21.7	21.5	21.3	19.8	19.9	19.9
	256QAM	1	0	20.8	20.8	20.7	18.0	18.1	18.1	19.5	19.9	20.2	18.0	18.1	18.1
		1	37	21.1	21.1	20.9	18.4	18.4	18.3	19.8	20.2	20.5	18.2	18.5	18.4
		1	74	20.9	21.0	20.8	18.3	18.4	18.0	19.7	20.1	20.5	18.1	18.3	18.4
		36	0	21.1	21.0	20.8	18.4	18.2	18.2	20.0	19.8	20.0	18.2	18.3	18.2
		36	16	21.2	21.1	20.8	18.6	18.3	18.3	20.0	19.9	20.1	18.3	18.4	18.3
		36	35	21.1	21.1	20.8	18.5	18.4	18.2	20.0	20.0	20.2	18.3	18.5	18.4
		75	0	21.1	21.1	20.8	18.5	18.3	18.2	20.0	20.0	20.0	18.3	18.4	18.4

OUTPUT POWER FOR LTE BAND 25 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				26140	26365	26590	26140	26365	26590	26140	26365	26590	26140	26365	26590
				1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0	1860.0	1882.5	1905.0
20.0	QPSK	1	0	25.7	25.6	25.6	23.1	22.8	23.0	24.7	24.8	24.9	22.8	22.8	23.0
		1	49	25.7	25.7	25.5	23.0	22.9	22.8	24.7	24.9	24.9	22.8	23.0	22.9
		1	99	25.7	25.6	25.4	22.8	22.9	22.6	24.8	24.9	25.0	22.8	22.9	22.9
		50	0	24.8	24.7	24.5	22.0	21.8	21.9	23.7	23.8	23.9	21.8	21.9	21.9
		50	24	24.7	24.7	24.5	22.0	21.9	21.9	23.8	23.9	24.0	21.8	22.0	21.9
		50	49	24.7	24.7	24.5	21.9	21.9	21.8	23.8	23.9	24.0	21.8	22.0	21.9
		100	0	24.6	24.6	24.4	21.9	21.7	21.8	23.7	23.8	23.9	21.8	21.9	21.8
	16QAM	1	0	24.9	24.6	24.7	22.1	21.8	22.1	23.6	23.9	24.0	21.9	21.9	22.0
		1	49	24.7	24.7	24.6	22.0	21.9	22.0	23.6	23.9	24.0	21.8	22.0	22.0
		1	99	24.6	24.6	24.5	22.0	22.0	21.7	23.7	24.0	24.0	21.9	22.0	22.0
		50	0	23.8	23.7	23.5	21.0	20.8	20.9	22.2	22.4	22.4	20.8	20.9	20.9
		50	24	23.8	23.7	23.5	21.0	20.8	20.9	22.2	22.5	22.5	20.9	21.0	20.9
		50	49	23.7	23.7	23.5	20.9	20.9	20.8	22.2	22.5	22.5	20.8	20.9	20.9
		100	0	23.7	23.6	23.4	21.0	20.8	20.8	22.2	22.4	22.5	20.8	20.9	20.8
	64QAM	1	0	23.7	23.6	23.6	21.0	20.9	21.0	22.8	22.8	23.2	20.8	20.8	21.0
		1	49	23.7	23.7	23.6	20.9	20.9	20.9	22.8	22.9	23.0	20.8	21.1	21.0
		1	99	23.6	23.7	23.5	20.9	21.0	20.7	22.7	23.0	22.9	20.8	20.9	21.1
		50	0	22.8	22.7	22.5	20.0	19.9	19.9	21.7	21.6	21.5	19.8	20.0	19.9
		50	24	22.8	22.7	22.5	20.1	19.9	19.9	21.7	21.6	21.5	19.9	20.1	19.9
		50	49	22.7	22.7	22.5	20.0	20.0	19.8	21.6	21.7	21.4	19.8	20.0	19.9
		100	0	22.7	22.6	22.4	20.0	19.8	19.8	21.6	21.5	21.4	19.8	19.9	19.8
	256QAM	1	0	20.7	20.7	20.6	17.7	18.0	18.0	19.7	19.5	19.8	17.9	18.0	18.1
		1	49	21.1	21.1	20.8	18.5	18.5	18.3	20.2	19.9	20.2	18.4	18.5	18.4
		1	99	20.8	20.9	20.5	18.1	18.2	17.9	19.9	19.6	20.1	18.0	18.3	18.0
		50	0	21.1	21.0	20.8	18.4	18.2	18.2	19.8	19.8	19.9	18.1	18.3	18.2
		50	24	21.1	21.1	20.9	18.5	18.3	18.4	20.0	20.0	20.1	18.3	18.5	18.3
		50	49	21.1	21.1	20.8	18.4	18.4	18.2	20.0	20.0	20.1	18.2	18.4	18.3
		100	0	21.0	21.0	20.8	18.4	18.3	18.3	19.9	19.9	20.0	18.2	18.4	18.3

7.11. LTE BAND 26 (Part 90S)

Test Engineer ID:	39004	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26697 814.7	26740 819.0	26783 823.3	26697 814.7	26740 819.0	26783 823.3
1.4	QPSK	1	0	25.5	25.4	25.4	24.2	24.3	24.3
		1	2	25.7	25.5	25.4	24.3	24.5	24.5
		1	5	25.6	25.4	25.4	24.2	24.4	24.4
		3	0	25.7	25.5	25.4	24.3	24.4	24.5
		3	1	25.7	25.5	25.5	24.3	24.4	24.5
		3	2	25.7	25.5	25.5	24.3	24.4	24.5
	16QAM	6	0	24.7	24.5	24.5	23.4	23.4	23.5
		1	0	25.0	24.9	24.6	23.3	23.5	23.8
		1	2	25.1	25.0	24.6	23.5	23.7	23.9
		1	5	25.0	24.9	24.6	23.4	23.6	23.9
		3	0	24.8	24.8	24.7	23.6	23.5	23.7
		3	1	24.9	24.8	24.8	23.7	23.6	23.7
	64QAM	3	2	24.9	24.8	24.8	23.7	23.6	23.7
		6	0	23.6	23.5	23.7	22.6	22.6	22.4
		1	0	23.6	23.7	24.0	21.1	22.5	22.2
		1	2	23.8	23.7	24.1	22.3	22.6	22.3
		1	5	23.7	23.8	24.0	22.3	22.5	22.2
		3	0	23.7	23.5	23.9	22.0	22.5	22.2
	256QAM	3	1	23.8	23.6	23.9	22.1	22.5	22.3
		3	2	23.8	23.6	23.9	22.1	22.5	22.3
		6	0	22.9	22.6	22.5	21.2	21.1	21.4
		1	0	20.4	20.1	20.2	19.4	19.2	19.3
		1	2	20.6	20.6	20.6	19.4	19.2	19.4
		1	5	20.5	20.5	20.4	19.4	19.2	19.3
		3	0	20.3	20.4	20.4	19.4	19.4	19.3
		3	1	20.4	20.4	20.4	19.4	19.4	19.4
		3	2	20.4	20.4	20.4	19.4	19.5	19.3
		6	0	20.3	20.3	20.3	19.4	19.3	19.4

OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26705	26740	26775	26705	26740	26775
				815.5	819.0	822.5	815.5	819.0	822.5
3.0	QPSK	1	0	25.6	25.6	25.6	24.4	24.4	24.5
		1	7	25.6	25.6	25.6	24.4	24.4	24.5
		1	14	25.7	25.6	25.7	24.4	24.5	24.5
		8	0	24.7	24.7	24.7	23.4	23.5	23.5
		8	4	24.8	24.8	24.8	23.5	23.6	23.6
		8	7	24.9	24.8	24.8	23.5	23.6	23.6
	16QAM	15	0	24.8	24.8	24.7	23.5	23.6	23.5
		1	0	24.8	24.8	24.8	23.5	23.4	23.9
		1	7	24.8	24.8	24.8	23.5	23.5	23.9
		1	14	24.8	24.8	24.9	23.5	23.5	24.0
		8	0	23.8	23.8	23.8	22.5	22.6	22.6
		8	4	23.9	23.9	23.9	22.6	22.7	22.6
	64QAM	8	7	23.9	23.9	23.9	22.6	22.7	22.7
		15	0	23.8	23.7	23.8	22.5	22.6	22.6
		1	0	23.9	24.0	23.9	22.4	22.5	22.3
		1	7	24.0	23.9	23.9	22.3	22.5	22.3
		1	14	24.0	24.0	24.0	22.4	22.6	22.3
		8	0	22.7	22.6	22.6	21.2	21.3	21.2
	256QAM	8	4	22.8	22.8	22.8	21.2	21.3	21.3
		8	7	22.9	22.8	22.8	21.2	21.4	21.3
		15	0	22.7	22.8	22.7	21.3	21.2	21.3
		1	0	20.4	20.8	20.2	19.7	19.7	19.7
		1	7	20.5	20.9	20.2	19.9	19.7	19.8
		1	14	20.5	20.9	20.2	19.7	19.8	19.8
		8	0	20.6	20.5	20.4	19.9	19.8	19.7
		8	4	20.6	20.6	20.5	19.9	19.8	19.9
		8	7	20.6	20.6	20.5	19.8	19.8	19.8
		15	0	20.6	20.5	20.6	19.9	19.8	19.8

OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				26715	26740	26765	26715	26740	26765
				816.5	819.0	821.5	816.5	819.0	821.5
5.0	QPSK	1	0	25.4	25.6	25.6	24.3	24.5	24.3
		1	12	25.5	25.6	25.6	24.4	24.5	24.4
		1	24	25.5	25.7	25.7	24.4	24.5	24.4
		12	0	24.5	24.6	24.6	23.4	23.4	23.4
		12	6	24.7	24.7	24.7	23.5	23.5	23.5
		12	11	24.6	24.6	24.7	23.5	23.4	23.4
		25	0	24.7	24.6	24.7	23.4	23.4	23.4
	16QAM	1	0	24.6	24.8	24.8	23.6	23.6	24.0
		1	12	24.8	24.9	24.9	23.6	23.6	24.0
		1	24	24.9	24.9	24.9	23.6	23.7	24.1
		12	0	23.6	23.7	23.7	22.4	22.4	22.5
		12	6	23.8	23.8	23.8	22.5	22.5	22.6
		12	11	23.7	23.8	23.8	22.5	22.5	22.6
		25	0	23.6	23.6	23.6	22.4	22.5	22.5
	64QAM	1	0	23.8	23.9	23.9	22.4	22.1	22.4
		1	12	24.0	24.0	24.0	22.4	22.1	22.5
		1	24	23.9	24.0	24.0	22.4	22.1	22.5
		12	0	22.6	22.7	22.7	21.2	21.2	21.1
		12	6	22.8	22.7	22.8	21.3	21.3	21.2
		12	11	22.7	22.7	22.8	21.3	21.3	21.2
		25	0	22.7	22.7	22.7	21.2	21.2	21.1
	256QAM	1	0	20.4	20.1	20.4	19.7	19.7	19.6
		1	12	20.5	20.2	20.6	19.8	19.7	19.8
		1	24	20.5	20.2	20.6	19.8	19.7	19.8
		12	0	20.4	20.4	20.4	19.8	19.8	19.8
		12	6	20.5	20.5	20.5	19.9	19.9	19.8
		12	11	20.5	20.4	20.5	19.9	19.8	19.9
		25	0	20.5	20.5	20.5	19.9	19.8	19.8

OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				N/A	26740	N/A	N/A	26740	N/A
				N/A	819.0	N/A	N/A	819.0	N/A
10.0	QPSK	1	0		25.7			24.5	
		1	24		25.7			24.5	
		1	49		25.6			24.4	
		25	0		24.7			23.4	
		25	12		24.8			23.6	
		25	24		24.8			23.6	
	16QAM	50	0		24.8			23.5	
		1	0		24.9			23.7	
		1	24		24.9			23.6	
		1	49		24.9			23.6	
		25	0		23.8			22.6	
		25	12		24.0			22.7	
	64QAM	25	24		23.9			22.7	
		50	0		23.9			22.6	
		1	0		24.0			22.5	
		1	24		24.0			22.6	
		1	49		24.0			22.5	
		25	0		22.8			21.3	
	256QAM	25	12		23.0			21.5	
		25	24		22.9			21.4	
		50	0		22.8			21.3	
		1	0		20.1			19.6	
		1	24		20.5			19.9	
		1	49		20.3			19.6	
		25	0		20.4			19.7	
		25	12		20.6			19.8	
		25	24		20.5			19.7	
		50	0		20.4			19.7	

7.12. LTE BAND 30(NS1)

Test Engineer ID:	39006	Test Date:	7/22/2020
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OUTPUT POWER FOR LTE BAND 30 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				27685	27710	27735	27685	27710	27735	27685	27710	27735	27685	27710	27735
				2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5	2307.5	2310.0	2312.5
5.0	QPSK	1	0	25.5	25.5	25.5	22.6	22.5	22.7	23.6	23.6	23.2	22.4	22.4	22.3
		1	12	25.7	25.6	25.3	22.7	22.8	22.8	23.7	23.7	22.2	22.4	22.4	22.5
		1	24	25.6	25.3	24.4	22.7	22.7	22.7	23.6	22.2	21.8	22.4	22.4	22.4
		12	0	24.7	24.6	24.6	21.7	21.7	21.8	22.7	22.8	22.7	21.4	21.4	21.4
		12	6	24.7	24.7	24.7	21.8	21.8	21.8	22.8	22.8	22.5	21.5	21.5	21.5
		12	11	24.7	24.6	24.7	21.8	21.8	21.8	22.8	22.8	22.2	21.5	21.5	21.5
		25	0	24.7	24.6	24.7	21.8	21.8	21.8	22.8	22.8	22.3	21.5	21.5	21.5
	16QAM	1	0	24.5	24.5	24.6	21.6	21.7	21.7	22.8	22.6	22.1	21.2	21.3	21.4
		1	12	24.6	24.5	23.8	21.7	21.9	21.9	22.9	22.6	20.7	21.3	21.3	21.6
		1	24	24.6	23.9	23.2	21.7	21.9	21.8	22.7	20.8	20.6	21.3	21.4	20.9
		12	0	23.7	23.7	23.6	20.8	20.8	20.8	21.8	21.8	21.8	20.5	20.5	20.4
		12	6	23.7	23.7	23.7	20.9	20.9	20.9	21.8	21.9	21.9	20.5	20.5	20.5
		12	11	23.7	23.6	23.7	20.8	20.9	20.9	21.8	21.8	21.8	20.5	20.5	20.5
		25	0	23.7	23.6	23.7	20.8	20.8	20.8	21.8	21.8	21.8	20.5	20.5	20.5
	64QAM	1	0	23.3	23.4	23.3	20.7	20.8	20.8	21.3	21.1	20.8	19.6	20.3	20.4
		1	12	23.7	23.7	22.2	20.8	20.9	20.9	21.4	21.3	19.5	20.6	20.5	20.0
		1	24	23.7	22.4	21.9	20.9	20.9	20.9	21.3	19.8	19.5	20.5	20.1	19.4
		12	0	22.6	22.6	22.6	19.8	19.8	19.9	20.7	20.8	20.5	19.2	19.1	19.4
		12	6	22.7	22.7	22.7	19.8	19.9	19.9	20.8	20.9	20.4	19.2	19.4	19.6
		12	11	22.7	22.6	22.6	19.9	19.9	19.9	20.9	20.8	20.2	19.3	19.5	19.6
		25	0	22.7	22.7	22.6	19.8	19.9	19.9	20.7	20.7	20.3	19.1	19.4	19.5
	256QAM	1	0	20.6	20.5	20.5	17.7	17.7	17.8	18.7	18.7	18.6	17.4	17.4	17.4
		1	12	20.5	20.6	20.8	17.9	17.8	17.9	18.9	18.8	18.9	17.4	17.5	17.5
		1	24	20.6	20.5	20.7	17.8	17.8	17.8	18.8	18.8	18.7	17.4	17.5	17.6
		12	0	20.6	20.6	20.6	17.8	17.8	17.9	18.8	18.8	18.8	17.5	17.5	17.4
		12	6	20.7	20.7	20.7	17.9	17.9	18.0	18.8	18.8	18.9	17.5	17.6	17.6
		12	11	20.7	20.6	20.6	17.9	17.9	17.9	18.8	18.8	18.8	17.6	17.6	17.6
		25	0	20.6	20.6	20.6	17.9	17.9	17.9	18.8	18.8	18.8	17.5	17.5	17.6

OUTPUT POWER FOR LTE BAND 30 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A	N/A	27710	N/A
				N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A	N/A	2310.0	N/A
10.0	QPSK	1	0		25.7			22.7			23.6			22.4	
		1	24		25.7			22.7			23.7			22.4	
		1	49		24.7			22.8			23.5			22.5	
		25	0		24.7			21.8			22.8			21.4	
		25	12		24.7			21.9			22.8			21.5	
		25	24		24.7			21.8			22.8			21.4	
		50	0		24.7			21.8			22.8			21.4	
	16QAM	1	0		24.7			21.8			22.7			21.5	
		1	24		24.7			21.8			22.8			21.4	
		1	49		24.4			21.9			22.8			21.5	
		25	0		23.7			20.8			21.8			20.4	
		25	12		23.7			20.9			21.8			20.5	
		25	24		23.6			20.9			21.8			20.4	
		50	0		23.7			20.8			21.7			20.4	
	64QAM	1	0		23.8			20.9			21.7			20.3	
		1	24		23.8			20.8			21.8			20.4	
		1	49		22.5			20.9			21.4			20.5	
		25	0		22.6			19.8			20.7			19.4	
		25	12		22.7			19.9			20.8			19.5	
		25	24		22.7			19.8			20.8			19.5	
		50	0		22.6			19.9			20.7			19.5	
	256QAM	1	0		20.4			17.6			18.5			17.2	
		1	24		20.5			17.9			18.8			17.5	
		1	49		20.2			17.6			18.6			17.3	
		25	0		20.6			17.8			18.7			17.4	
		25	12		20.7			17.9			18.8			17.5	
		25	24		20.6			17.9			18.8			17.5	
		50	0		20.6			17.9			18.7			17.4	

7.13. LTE BAND 41 (NS04)

Test Engineer ID:	39004	Test Date:	7/22/2020
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OUTPUT POWER FOR LTE BAND 41 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39675	40620	41565	39675	40620	41565	39675	40620	41565	39675	40620	41565
				2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5	2498.5	2593.0	2687.5
5.0	QPSK	1	0	24.7	27.3	27.2	21.9	24.7	24.5	22.0	25.8	25.9	21.2	24.5	24.3
		1	12	27.3	27.2	27.2	24.7	24.7	24.5	25.2	25.9	26.0	24.3	24.4	24.4
		1	24	27.7	27.3	27.1	24.8	24.7	24.5	25.3	25.8	25.9	24.5	24.5	24.3
		12	0	23.6	26.4	26.3	20.9	23.8	23.6	21.1	24.9	25.0	20.3	23.5	23.4
		12	6	23.6	26.4	26.2	20.8	23.8	23.6	21.1	24.9	25.0	20.5	23.5	23.4
		12	11	26.6	26.4	26.2	23.9	23.8	23.6	24.2	24.9	24.9	23.5	23.5	23.3
		25	0	23.5	26.4	26.2	20.9	23.8	23.5	21.1	24.9	25.0	20.4	23.5	23.3
	16QAM	1	0	23.7	26.6	26.5	21.2	24.0	23.9	21.2	25.3	25.3	20.4	23.9	23.7
		1	12	26.4	26.6	26.5	24.1	24.0	24.0	24.5	25.3	25.2	23.6	23.9	23.7
		1	24	26.6	26.6	26.6	24.1	24.1	23.9	24.6	25.3	25.3	23.8	23.9	23.7
		12	0	22.7	25.4	25.3	20.0	22.8	22.6	20.2	23.9	24.1	19.5	22.5	22.4
		12	6	22.7	25.4	25.4	20.0	22.9	22.7	20.2	23.9	24.1	19.6	22.6	22.5
		12	11	25.6	25.4	25.3	23.0	22.8	22.6	23.3	23.9	24.1	22.5	22.5	22.4
		25	0	22.6	25.4	25.3	19.9	22.9	22.6	20.1	24.0	24.0	19.4	22.5	22.3
	64QAM	1	0	22.8	26.6	26.1	19.9	23.4	22.9	20.0	24.7	24.3	19.3	23.1	22.7
		1	12	25.9	26.6	26.1	22.7	23.4	22.9	23.1	24.6	24.3	21.5	23.1	22.7
		1	24	25.9	26.6	26.1	22.7	23.4	22.9	23.3	24.6	24.3	21.9	23.1	22.6
		12	0	22.0	25.2	24.7	19.0	21.9	21.6	19.2	23.0	22.9	18.4	21.6	21.3
		12	6	22.1	25.2	24.8	18.9	22.0	21.6	19.2	23.0	23.0	18.5	21.6	21.3
		12	11	25.2	25.1	24.7	21.7	22.0	21.5	22.3	23.0	22.9	20.7	21.7	21.3
		25	0	22.2	25.0	24.6	18.9	21.8	21.4	19.2	22.9	22.8	18.4	21.5	21.3
	256QAM	1	0	20.4	23.4	23.1	17.3	20.2	20.1	17.4	21.4	21.5	16.6	20.0	19.9
		1	12	23.4	23.4	23.0	20.2	20.2	20.0	20.7	21.6	21.5	19.7	19.9	19.8
		1	24	23.4	23.4	23.0	20.2	20.1	20.0	20.7	21.6	21.5	19.9	19.9	19.8
		12	0	20.3	23.0	22.7	17.0	19.8	19.6	17.1	20.9	21.0	16.3	19.5	19.3
		12	6	20.2	23.0	22.7	17.0	19.8	19.6	17.2	20.9	20.9	16.5	19.6	19.4
		12	11	23.2	23.0	22.7	19.8	19.8	19.6	20.1	20.8	20.9	19.4	19.5	19.4
		25	0	20.3	23.1	22.7	17.0	19.9	19.6	17.1	20.9	20.9	16.4	19.6	19.4

OUTPUT POWER FOR LTE BAND 41 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39700	40620	41540	39700	40620	41540	39700	40620	41540	39700	40620	41540
				2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0	2501.0	2593.0	2685.0
10.0	QPSK	1	0	22.6	27.3	27.2	19.8	24.8	24.5	19.8	26.0	25.8	19.1	24.2	24.0
		1	24	27.6	27.6	27.5	24.8	24.8	24.5	25.3	25.9	25.8	24.4	24.3	24.0
		1	49	27.7	27.3	27.2	24.8	24.7	24.5	25.6	26.0	25.9	24.5	24.3	24.0
		25	0	23.9	26.6	26.5	20.9	23.8	23.5	21.3	25.0	25.0	20.3	23.4	23.1
		25	12	26.8	26.7	26.5	23.9	23.8	23.6	24.4	25.0	25.0	23.4	23.4	23.2
		25	24	25.8	26.6	26.4	22.9	23.8	23.6	23.5	25.0	25.0	22.5	23.3	23.2
		50	0	23.8	26.6	26.5	20.8	23.8	23.5	21.3	25.0	24.9	20.3	23.4	23.1
	16QAM	1	0	22.1	26.8	26.8	19.2	24.2	23.9	19.4	25.7	25.2	18.6	23.7	23.4
		1	24	27.1	27.0	26.9	24.1	24.2	23.8	24.6	25.5	25.2	23.8	23.6	23.4
		1	49	27.2	26.8	26.8	24.1	24.2	23.8	24.9	25.5	25.3	23.9	23.7	23.4
		25	0	22.9	25.7	25.5	19.9	22.9	22.6	20.3	24.0	23.9	19.3	22.4	22.0
		25	12	25.9	25.7	25.6	22.9	22.9	22.6	23.5	24.0	24.0	22.4	22.4	22.2
		25	24	24.8	25.6	25.5	21.9	22.8	22.6	22.4	24.0	24.0	21.5	22.4	22.2
		50	0	22.8	25.6	25.5	19.9	22.9	22.6	20.4	24.0	24.0	19.4	22.3	22.1
	64QAM	1	0	21.7	25.9	26.5	18.3	23.3	22.4	18.7	24.2	23.3	17.4	22.3	22.8
		1	24	25.9	26.2	26.7	23.1	23.4	22.4	23.9	24.1	23.7	21.9	22.2	22.8
		1	49	26.4	26.0	26.5	22.8	23.1	22.4	24.1	24.2	23.8	22.1	22.2	22.8
		25	0	22.4	25.4	25.0	18.9	21.8	21.6	19.2	22.9	23.0	18.2	21.4	21.1
		25	12	24.9	25.4	25.1	21.6	21.8	21.6	22.4	22.9	23.1	20.6	21.5	21.1
		25	24	24.4	25.3	25.1	20.8	21.8	21.6	21.5	22.9	23.1	20.4	21.4	21.1
		50	0	22.3	25.3	25.0	18.9	21.9	21.6	19.3	23.0	22.9	18.3	21.3	21.1
	256QAM	1	0	17.8	23.4	22.8	14.8	20.2	19.7	14.9	21.4	21.1	14.5	19.5	18.9
		1	24	22.8	23.3	22.7	19.6	20.2	19.7	20.1	21.3	20.9	19.8	19.5	18.9
		1	49	22.9	23.4	22.8	19.6	20.2	19.7	20.3	21.3	21.1	19.9	19.6	19.0
		25	0	20.3	23.1	22.8	17.0	19.9	19.6	17.4	21.0	21.0	16.4	19.4	19.2
		25	12	23.3	23.1	22.8	19.9	19.9	19.7	20.4	21.0	21.0	19.4	19.5	19.1
		25	24	22.3	23.1	22.8	18.9	19.8	19.6	19.5	21.0	21.0	18.4	19.4	19.2
		50	0	20.2	23.1	22.8	16.9	19.8	19.6	17.3	21.0	20.9	16.4	19.4	19.1

OUTPUT POWER FOR LTE BAND 41 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39725	40620	41515	39725	40620	41515	39725	40620	41515	39725	40620	41515
				2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5	2503.5	2593.0	2682.5
15.0	QPSK	1	0	22.6	27.2	27.1	19.8	24.8	24.5	19.9	26.0	25.9	19.1	24.4	24.1
		1	37	27.7	27.4	27.2	24.8	24.7	24.5	25.5	25.8	25.8	24.5	24.3	24.1
		1	74	27.7	27.3	27.3	24.7	24.8	24.6	25.8	26.0	26.0	24.5	24.4	24.1
		36	0	22.7	26.5	26.3	20.0	23.9	23.6	20.4	25.0	25.0	19.5	23.4	23.2
		36	16	26.8	26.6	26.5	23.9	23.8	23.5	24.5	25.0	24.9	23.5	23.4	23.1
		36	35	23.7	26.6	26.5	20.8	23.8	23.6	21.6	24.9	25.0	20.6	23.4	23.2
		75	0	22.7	26.5	26.4	19.9	23.9	23.6	20.6	25.0	24.9	19.5	23.4	23.2
	16QAM	1	0	22.1	26.6	26.6	19.2	24.1	23.9	19.4	25.5	25.4	18.4	23.7	23.5
		1	37	27.2	26.9	26.9	24.0	24.0	23.8	24.8	25.3	25.3	23.8	23.6	23.5
		1	74	27.2	26.7	26.8	24.0	24.0	23.9	25.1	25.3	25.4	23.9	23.7	23.6
		36	0	21.8	25.5	25.3	18.9	22.9	22.6	19.3	24.0	23.9	18.5	22.5	22.2
		36	16	25.7	25.6	25.4	22.9	22.9	22.6	23.5	24.0	23.9	22.5	22.4	22.1
		36	35	22.8	25.6	25.5	19.8	22.9	22.6	20.7	24.0	24.0	19.6	22.4	22.2
		75	0	21.7	25.5	25.4	18.9	22.9	22.6	19.6	24.0	24.0	18.5	22.4	22.2
	64QAM	1	0	21.5	25.9	26.3	18.4	23.0	22.4	18.6	24.4	23.0	17.7	22.6	22.0
		1	37	26.2	26.1	26.6	23.0	23.0	22.3	24.0	24.1	23.6	22.4	22.6	22.1
		1	74	26.6	26.0	26.6	22.6	23.0	22.5	24.0	24.2	23.9	22.2	22.7	22.1
		36	0	21.4	25.3	24.9	18.1	21.8	21.7	18.4	23.0	23.0	17.6	21.4	21.2
		36	16	25.3	25.4	25.1	21.6	21.9	21.7	22.6	23.0	23.0	20.8	21.4	21.3
		36	35	22.4	25.4	25.1	18.9	21.8	21.7	19.7	22.9	23.1	18.7	21.4	21.3
		75	0	21.3	25.2	25.0	18.0	21.9	21.6	18.6	23.0	23.0	17.6	21.4	21.2
	256QAM	1	0	17.7	23.2	22.7	14.6	20.2	19.7	14.9	21.6	21.1	13.8	19.9	19.2
		1	37	22.8	23.1	22.5	19.6	20.1	19.7	20.2	21.3	21.0	19.2	19.7	19.3
		1	74	22.8	23.2	22.7	19.6	20.4	19.8	20.6	21.4	21.1	19.5	19.9	19.3
		36	0	19.3	23.1	22.8	16.1	19.8	19.7	16.4	21.1	21.0	15.5	19.4	19.2
		36	16	23.2	23.0	22.8	19.9	19.9	19.6	20.5	21.0	21.0	19.5	19.4	19.2
		36	35	20.2	23.0	22.8	17.0	19.9	19.7	17.7	21.0	21.1	16.7	19.4	19.3
		75	0	19.2	23.1	22.8	15.9	19.9	19.6	16.6	21.0	21.0	15.5	19.5	19.2

OUTPUT POWER FOR LTE BAND 41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				39750	40620	41490	39750	40620	41490	39750	40620	41490	39750	40620	41490
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	QPSK	1	0	22.4	27.0	26.7	19.7	24.8	24.4	19.7	26.0	25.2	19.1	24.5	24.1
		1	49	27.7	27.3	27.1	24.5	24.6	24.3	25.2	25.7	25.5	24.5	24.3	24.1
		1	99	27.6	27.0	27.1	24.6	24.7	24.4	25.6	25.6	25.7	24.4	24.4	24.1
		50	0	22.5	26.2	26.1	19.8	23.7	23.5	20.2	24.8	24.6	19.5	23.4	23.1
		50	24	26.5	26.4	26.2	23.8	23.7	23.5	24.4	24.7	24.6	23.6	23.4	23.2
		50	49	23.5	26.3	26.3	20.7	23.7	23.5	21.5	24.7	24.7	20.6	23.4	23.2
		100	0	22.5	26.3	26.2	19.8	23.8	23.5	20.4	24.7	24.6	19.6	23.4	23.2
	16QAM	1	0	21.7	26.4	26.0	18.8	24.1	23.9	18.9	25.3	24.5	18.2	23.9	23.4
		1	49	27.3	26.7	26.5	23.8	24.0	23.7	24.5	25.0	25.2	23.7	23.7	23.4
		1	99	27.3	26.5	26.4	23.7	24.1	23.8	24.8	25.1	25.1	23.6	23.8	23.5
		50	0	21.7	25.3	25.1	18.8	22.8	22.5	19.2	23.8	23.7	18.5	22.4	22.1
		50	24	25.6	25.5	25.2	22.8	22.8	22.5	23.4	23.7	23.6	22.6	22.4	22.2
		50	49	22.7	25.3	25.3	19.7	22.7	22.5	20.5	23.7	23.7	19.6	22.4	22.1
		100	0	21.6	25.3	25.2	18.8	22.8	22.5	19.4	23.7	23.6	18.6	22.4	22.2
	64QAM	1	0	21.4	26.2	25.6	18.0	23.1	23.1	18.0	24.2	22.8	17.4	22.7	22.7
		1	49	26.5	26.6	26.0	22.4	22.9	23.0	23.4	23.9	23.8	22.0	22.6	22.7
		1	99	26.5	26.4	26.0	22.0	22.8	23.0	23.4	24.0	24.2	21.8	22.8	22.8
		50	0	21.3	25.0	24.7	17.8	21.8	21.5	18.2	22.8	22.2	17.6	21.5	21.2
		50	24	25.2	25.2	24.9	21.2	21.8	21.6	22.4	22.7	22.7	20.7	21.4	21.2
		50	49	22.2	25.1	24.9	18.8	21.7	21.5	19.6	22.7	22.8	18.7	21.4	21.2
		100	0	21.2	25.0	24.7	17.8	21.8	21.5	18.4	22.7	22.7	17.6	21.5	21.2
	256QAM	1	0	18.2	23.4	23.1	15.1	20.2	19.8	15.1	21.3	21.0	14.4	19.9	19.5
		1	49	23.1	23.3	22.9	19.7	20.0	19.7	20.4	21.0	20.9	19.6	19.7	19.5
		1	99	23.2	23.3	23.2	19.7	20.1	19.8	20.8	21.1	20.9	19.8	19.9	19.5
		50	0	19.4	23.1	22.8	15.8	19.7	19.5	16.3	20.8	20.7	15.6	19.4	19.1
		50	24	23.3	23.1	22.8	19.8	19.8	19.6	20.5	20.7	20.7	19.7	19.4	19.2
		50	49	20.3	23.1	22.8	16.8	19.7	19.5	17.6	20.7	20.7	16.7	19.5	19.2
		100	0	19.3	23.1	22.8	15.8	19.8	19.5	16.3	20.8	20.6	15.7	19.4	19.2

7.14. 5G NR Band n41

Test Engineer ID:	19171	Test Date:	8/21/2020
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OUTPUT POWER FOR 5G NR Band n41 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				501200	518600	536000	501200	518600	536000	501200	518600	536000	501200	518600	536000
				2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0	2506.0	2593.0	2680.0
20.0	BPSK	1	0	21.4	24.0	23.7				20.8	23.4	23.3			
		1	1	21.7	26.7	26.0				20.6	26.3	26.5			
		25	12	23.7	26.2	26.2				23.2	26.4	26.3			
		50	0	23.6	26.2	26.3				23.1	26.4	26.3			
	QPSK	1	0	21.7	23.8	23.9				19.9	23.5	23.3			
		1	1	21.3	26.7	26.5				20.0	26.2	26.4			
		25	12	23.0	26.5	26.5				22.2	26.4	26.3			
		50	0	23.0	26.6	26.6				22.1	25.9	25.9			
	16QAM	1	0	20.5	23.2	22.9				19.5	22.9	23.0			
		1	1	20.8	25.5	24.5				19.9	25.6	25.6			
		25	12	21.9	26.0	25.8				20.2	25.8	25.8			
		50	0	22.0	25.1	25.1				21.7	24.9	24.8			
	64QAM	1	0	20.6	23.9	24.0				19.2	23.3	23.7			
		1	1	20.7	25.1	24.3				20.0	24.3	24.5			
		25	12	22.6	25.0	25.2				21.6	24.4	24.3			
		50	0	22.6	25.0	25.1				21.7	24.4	24.4			
	256QAM	1	0	18.7	22.4	22.6				17.1	21.8	21.9			
		1	1	18.9	22.7	22.4				17.5	21.6	21.8			
		25	12	19.9	22.0	22.1				19.1	21.5	21.3			
		50	0	20.0	22.0	22.2				19.1	21.3	21.4			

OUTPUT POWER FOR 5G NR Band n41 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				503200	518600	534000	503200	518600	534000	503200	518600	534000	503200	518600	534000
				2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0	2516.0	2593.0	2670.0
40.0	BPSK	1	0	22.2	24.1	24.0	19.2	21.1	20.9	20.4	23.0	23.0	17.8	20.4	20.4
		1	1	22.3	26.7	26.6	19.4	24.7	24.4	20.6	26.5	26.2	17.9	23.0	22.8
		50	25	24.3	26.6	26.5	21.1	24.5	24.2	23.0	26.3	26.1	20.9	22.6	22.8
		100	0	24.3	26.5	26.3	21.1	24.2	23.8	23.0	25.9	25.7	20.9	22.5	22.9
	QPSK	1	0	21.5	24.0	23.9	19.4	21.5	21.5	23.1	23.9	23.6	19.8	18.3	19.5
		1	1	21.5	26.4	26.5	19.4	23.6	24.2	24.6	26.1	25.9	22.6	22.3	22.6
		50	25	22.9	26.3	26.0	20.7	23.7	24.1	25.5	26.2	26.1	19.0	21.9	22.2
		100	0	22.8	26.2	25.0	19.7	22.7	22.8	24.3	25.8	25.3	18.8	21.6	21.4
	16QAM	1	0	21.6	23.9	24.0	18.8	21.4	21.3	22.8	23.7	23.7	19.7	18.8	19.4
		1	1	21.3	25.4	25.3	19.2	22.8	23.4	23.8	25.0	25.2	15.5	22.0	21.2
		50	25	22.4	26.1	24.8	19.9	23.0	23.1	24.7	25.7	25.4	18.4	21.5	21.9
		100	0	22.3	25.2	24.3	18.8	22.0	22.1	23.5	24.9	24.5	18.1	20.6	20.8
	64QAM	1	0	21.2	24.2	24.0	17.7	21.3	21.1	22.7	23.3	23.4	16.3	18.7	19.2
		1	1	21.3	24.6	25.0	18.4	21.6	22.4	22.6	23.7	24.0	14.6	20.3	20.1
		50	25	22.4	24.6	24.0	18.6	21.7	21.9	23.2	24.5	24.1	18.5	20.1	20.5
		100	0	22.3	24.8	24.1	18.4	21.6	21.8	23.1	24.5	24.1	18.0	20.1	20.5
	256QAM	1	0	19.4	22.6	22.7	16.4	20.2	20.2	20.7	22.3	22.2	13.9	17.7	18.2
		1	1	19.2	22.7	22.8	16.6	19.9	20.6	21.1	22.8	22.2	12.0	18.4	19.1
		50	25	20.9	22.7	22.7	17.3	20.2	20.2	21.8	22.3	22.2	16.9	17.9	18.5
		100	0	20.9	22.9	22.8	17.1	20.4	20.5	21.7	22.3	22.3	16.6	18.2	18.5

OUTPUT POWER FOR 5G NR Band n41 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				504200	518600	533000	504200	518600	533000	504200	518600	533000	504200	518600	533000
				2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0	2521.0	2593.0	2665.0
50.0	BPSK	1	0	22.1	24.1	24.0	19.3	21.1	21.0	20.3	23.0	22.8	17.9	20.6	20.3
		1	1	22.1	26.7	26.7	19.4	24.7	24.5	20.4	26.5	26.2	18.1	23.0	22.9
		64	32	24.2	26.6	26.4	21.2	24.6	24.4	22.9	26.3	26.1	21.0	22.7	22.8
		128	0	24.3	26.6	26.4	21.2	24.1	23.9	22.9	25.8	25.6	20.9	22.8	22.8
	QPSK	1	0	21.8	24.1	23.6	19.2	21.6	21.3	23.0	23.5	23.4	19.1	19.7	19.2
		1	1	21.8	26.3	26.3	19.1	24.0	24.1	24.6	26.5	26.0	20.9	22.3	21.9
		64	32	23.2	26.2	26.2	20.5	23.8	23.7	25.2	26.1	26.1	22.5	21.9	22.2
		128	0	22.9	26.2	26.2	20.5	23.2	23.4	24.9	25.8	25.6	21.8	21.7	21.8
	16QAM	1	0	21.7	24.0	23.4	18.6	21.2	21.2	23.1	23.6	23.6	19.1	19.4	19.3
		1	1	21.6	26.4	26.1	18.8	23.3	23.0	23.9	25.8	25.4	20.1	22.1	21.8
		64	32	22.6	26.2	26.2	20.3	23.3	23.4	24.6	25.7	25.6	21.7	21.6	21.8
		128	0	22.5	25.1	25.1	20.4	22.4	22.5	23.8	24.9	24.7	20.9	20.7	20.8
	64QAM	1	0	21.6	24.1	24.0	18.3	20.4	20.9	22.7	23.6	23.3	19.2	19.9	19.2
		1	1	21.5	25.4	25.0	18.1	21.7	22.3	22.6	24.6	24.0	18.9	20.7	20.8
		64	32	22.2	24.7	24.9	19.0	22.2	22.2	23.4	24.3	24.3	20.7	20.2	20.4
		128	0	22.3	24.7	24.6	19.3	20.9	21.2	23.2	24.4	24.3	20.7	20.3	20.4
	256QAM	1	0	19.6	22.7	22.2	15.7	20.0	20.2	21.1	22.4	22.2	17.7	18.4	18.4
		1	1	19.5	22.8	22.6	16.0	21.0	21.0	21.2	22.4	22.4	17.6	18.4	18.8
		64	32	20.8	22.8	22.8	17.5	20.2	20.4	22.1	22.3	22.2	18.9	18.1	18.3
		128	0	20.9	22.6	22.6	17.9	20.2	20.2	21.9	22.3	22.3	18.8	18.2	18.4

OUTPUT POWER FOR 5G NR Band n41 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				505200	518600	532000	505200	518600	532000	505200	518600	532000	505200	518600	532000
60.0	BPSK	1	0	22.1	24.3	24.0	19.3	21.0	20.9	20.4	23.0	22.8	17.9	20.8	20.2
		1	1	22.2	26.5	26.6	19.2	24.7	24.4	20.5	26.5	26.3	18.1	23.0	22.7
		81	40	24.2	26.5	26.3	21.1	24.6	24.4	23.1	26.4	26.2	21.0	22.7	22.8
		162	0	24.1	26.6	26.4	21.2	24.1	23.9	23.0	26.0	25.8	20.9	22.8	22.8
	QPSK	1	0	21.2	23.5	23.5	18.9	21.7	21.6	18.1	23.8	23.1	18.7	19.8	21.3
		1	1	21.5	26.6	26.7	18.8	24.0	24.7	20.2	26.4	26.0	21.1	22.6	14.1
		81	40	22.4	26.3	26.3	20.8	24.2	24.4	21.7	25.2	25.8	19.0	15.9	15.1
		162	0	22.5	26.2	26.1	20.8	22.8	23.0	21.6	25.1	24.5	18.9	15.6	15.0
	16QAM	1	0	21.2	23.3	23.0	18.4	21.3	21.1	18.2	24.2	22.9	18.4	19.5	11.2
		1	1	21.3	25.3	25.3	18.4	22.9	24.1	20.5	25.9	24.8	20.4	22.3	14.1
		81	40	21.5	26.1	25.4	19.6	23.2	23.0	21.2	24.9	24.5	18.4	15.6	14.9
		162	0	21.5	25.1	25.2	20.4	22.1	22.0	19.3	24.1	23.6	18.3	14.6	13.7
	64QAM	1	0	20.1	23.0	21.7	17.8	20.4	20.4	17.7	23.0	23.3	18.3	19.4	10.6
		1	1	21.1	24.2	24.6	18.1	22.0	21.7	19.8	24.7	25.1	19.6	20.7	12.5
		81	40	20.6	25.3	24.3	19.0	22.2	21.7	21.2	23.7	23.5	18.5	14.1	13.1
		162	0	20.6	24.2	24.2	19.0	20.8	20.7	21.3	23.6	23.3	18.4	14.1	13.2
	256QAM	1	0	18.6	22.0	21.5	16.2	19.6	19.4	15.9	23.9	22.5	17.8	18.1	9.7
		1	1	20.2	23.4	23.6	16.1	20.3	19.8	17.7	23.1	22.7	18.0	18.2	10.3
		81	40	19.4	24.4	23.5	17.9	20.2	19.7	19.7	21.4	21.6	17.0	12.1	10.9
		162	0	19.5	23.1	23.3	17.7	19.2	19.6	19.6	21.6	21.5	17.0	12.1	10.9

OUTPUT POWER FOR 5G NR Band n41 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				507200	518600	530000	507200	518600	530000	507200	518600	530000	507200	518600	530000
80.0	BPSK	1	0	22.2	22.1	24.2	19.2	19.2	20.9	20.5	21.2	22.6	18.0	19.0	20.3
		1	1	22.2	22.3	26.7	19.4	19.3	24.7	20.1	21.2	26.4	18.1	19.1	22.7
		108	54	24.3	26.6	26.4	21.2	24.6	24.5	23.1	26.5	26.4	21.1	22.8	22.9
		216	0	24.2	26.5	26.5	21.3	24.1	24.0	23.2	26.0	25.9	20.9	23.0	23.0
	QPSK	1	0	20.9	20.9	23.8	18.6	21.9	21.7	18.7	21.8	24.6	16.6	17.9	19.5
		1	1	21.0	21.0	26.6	21.1	24.3	24.1	18.6	21.6	26.5	16.9	17.3	21.3
		108	54	22.1	26.2	26.3	20.8	24.6	23.7	21.0	25.9	25.8	23.0	22.3	22.5
		216	0	22.3	25.5	25.1	21.4	24.5	23.7	21.0	25.5	25.1	21.8	21.0	21.3
	16QAM	1	0	19.9	20.2	23.5	17.7	22.0	21.4	18.8	22.3	24.7	17.0	17.8	19.2
		1	1	20.5	21.0	25.0	20.3	23.7	23.4	18.6	21.8	25.7	17.4	17.7	20.3
		108	54	21.1	26.1	25.3	20.4	24.1	23.4	20.4	25.2	25.5	22.4	22.0	21.6
		216	0	21.2	24.5	24.2	19.8	23.5	22.7	20.5	24.4	24.3	21.2	21.1	20.3
	64QAM	1	0	19.4	19.7	22.7	17.0	22.1	20.4	18.2	21.9	23.7	15.8	18.0	19.2
		1	1	20.0	19.8	24.4	19.3	22.6	21.7	18.4	21.3	23.9	16.6	16.9	20.0
		108	54	21.0	25.3	24.3	19.2	23.0	22.3	20.5	24.2	24.1	20.9	20.6	20.2
		216	0	20.3	24.6	23.3	19.4	23.0	22.2	20.4	24.0	23.8	18.9	20.4	20.3
	256QAM	1	0	19.2	18.9	22.1	16.0	20.8	20.1	16.8	20.1	23.7	14.6	16.7	18.2
		1	1	19.5	19.0	23.0	18.5	21.1	20.6	16.5	19.6	23.0	13.5	15.6	17.7
		108	54	20.1	23.3	23.4	18.0	21.0	20.6	19.0	22.2	22.2	19.4	18.6	18.6
		216	0	19.3	23.6	22.2	17.8	20.9	20.4	18.9	22.2	22.0	17.4	18.7	18.7

OUTPUT POWER FOR 5G NR Band n41 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				508200	518600	529000	508200	518600	529000	508200	518600	529000	508200	518600	529000
				2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0	2541.0	2593.0	2645.0
90.0	BPSK	1	0	21.9	22.1	23.8	19.1	19.1	21.0	20.1	21.2	22.7	17.7	18.9	20.1
		1	1	21.9	22.3	26.6	19.2	19.1	24.7	20.5	21.3	26.5	17.9	19.0	22.9
		120	60	24.2	26.7	26.4	21.1	24.7	24.5	23.3	26.5	26.4	21.1	22.9	22.9
		240	0	24.1	26.6	26.3	21.2	24.1	24.0	23.2	26.1	25.9	21.0	23.0	23.0
	QPSK	1	0	20.5	21.0	23.4	22.2	22.1	21.9	21.1	21.5	23.8	16.7	17.8	19.4
		1	1	21.1	21.2	26.6	24.1	24.6	24.6	21.6	21.5	26.0	17.3	17.9	22.0
		120	60	22.6	26.4	26.7	23.0	24.3	24.2	22.5	25.9	25.7	16.9	22.3	21.1
		240	0	22.6	25.9	25.8	23.6	24.3	24.1	22.4	25.5	24.4	19.2	21.8	20.4
	16QAM	1	0	19.5	20.3	23.2	22.1	21.9	22.2	21.2	21.5	23.8	16.9	17.5	19.5
		1	1	20.3	20.1	25.9	23.0	24.1	23.5	21.2	22.2	25.6	17.0	18.1	19.9
		120	60	22.3	25.8	25.9	22.9	23.4	23.0	21.9	25.3	24.7	16.8	21.8	20.1
		240	0	22.2	24.9	24.8	23.0	23.3	23.1	21.9	24.6	23.6	18.8	20.9	19.6
	64QAM	1	0	19.1	19.6	22.4	21.9	21.6	21.8	20.7	22.5	22.9	16.0	16.9	19.3
		1	1	19.1	19.4	25.3	21.9	22.4	22.2	21.2	21.5	23.7	16.1	17.3	19.3
		120	60	20.5	24.9	24.8	22.7	22.8	22.6	22.0	24.2	24.0	16.0	20.4	20.7
		240	0	21.3	23.8	23.7	22.5	22.8	22.6	22.0	24.2	23.4	18.7	20.5	19.0
	256QAM	1	0	18.8	19.2	22.3	20.8	20.9	21.1	19.1	19.8	23.1	14.6	16.5	18.8
		1	1	19.0	19.0	24.0	20.5	21.0	20.8	19.4	19.6	22.7	15.0	15.2	17.4
		120	60	19.4	23.9	23.9	21.0	20.8	20.8	20.6	22.3	22.0	14.7	18.6	18.7
		240	0	20.1	22.9	22.9	21.0	20.8	20.7	20.4	22.3	22.2	17.4	18.7	17.7

OUTPUT POWER FOR 5G NR Band n41 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 2			ANT 1			ANT 4			ANT 3		
				509200	528600	528000	509200	528600	528000	509200	528600	528000	509200	528600	528000
				2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0	2546.0	2593.0	2640.0
100.0	BPSK	1	0	21.9	22.0	23.9	18.9	18.8	20.8	20.2	21.0	22.7	17.7	18.8	19.8
		1	1	21.9	22.3	26.6	19.3	19.1	24.6	20.5	21.1	26.5	17.9	18.8	22.6
		135	67	24.2	26.6	26.6	21.2	24.7	24.6	23.3	26.5	26.4	21.0	22.8	22.8
		270	0	24.2	26.6	26.7	21.2	24.1	24.1	23.2	26.1	26.0	20.9	23.0	22.8
	QPSK	1	0	20.5	20.6	23.1	22.2	21.8	22.0	20.4	20.9	22.8	16.6	17.8	19.7
		1	1	20.6	20.6	26.2	24.1	23.7	24.6	20.1	21.2	26.4	16.8	18.1	21.7
		135	67	22.0	26.5	26.6	24.7	24.6	24.4	21.6	25.1	25.0	19.2	22.1	22.5
		270	0	22.1	25.4	25.5	24.0	24.3	24.1	21.4	24.0	24.5	18.8	21.9	21.7
	16QAM	1	0	19.8	19.6	22.6	22.1	22.1	21.7	20.7	20.3	23.8	17.1	18.2	19.5
		1	1	19.8	20.0	26.0	23.4	22.4	24.2	20.7	21.6	26.2	17.8	18.0	21.7
		135	67	22.0	25.4	25.4	24.3	24.3	24.1	21.0	24.5	24.7	18.7	21.9	22.1
		270	0	22.0	24.5	24.4	23.2	23.3	23.2	21.0	23.5	23.7	18.6	20.8	21.0
	64QAM	1	0	18.1	18.6	21.4	21.8	21.8	21.7	19.5	20.2	23.4	16.5	17.7	20.0
		1	1	19.9	19.9	25.7	22.2	22.5	22.4	20.2	20.4	24.6	16.5	17.3	20.5
		135	67	20.1	24.4	24.5	22.9	22.8	22.6	21.1	23.3	23.2	18.5	20.4	20.6
		270	0	20.0	23.5	23.4	22.8	22.8	22.6	20.9	23.1	23.2	17.7	20.6	20.5
	256QAM	1	0	18.0	18.3	21.1	21.0	20.3	21.0	18.0	17.9	21.6	15.1	16.1	19.4
		1	1	18.7	19.0	24.0	20.4	20.7	20.6	18.3	18.6	21.6	15.0	15.3	18.3
		135	67	19.0	23.5	23.3	20.9	20.7	20.6	19.5	21.3	21.1	17.0	18.4	18.5
		270	0	19.0	22.4	22.6	20.9	20.7	20.6	19.4	21.3	21.2	16.9	18.6	18.6

7.15. LTE BAND 48

Test Engineer ID:	19467	Test Date:	7/23/2020
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OUTPUT POWER FOR LTE BAND 48 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				55265	55990	56715	55265	55990	56715	55265	55990	56715	55265	55990	56715
				3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5	3552.5	3625.0	3697.5
5.0	QPSK	1	0	24.0	23.9	23.6	22.7	22.5	22.5	23.6	23.8	23.5	22.9	23.3	23.3
		1	12	24.1	24.0	23.8	22.1	22.5	22.7	23.8	23.9	23.6	23.1	23.5	23.4
		1	24	24.1	24.0	23.7	22.5	22.5	22.7	23.8	23.9	23.6	23.1	23.4	23.4
		12	0	23.2	23.1	22.7	21.8	21.6	21.6	22.7	23.0	22.6	22.1	22.5	22.5
		12	6	23.3	23.2	22.9	22.0	21.7	21.8	22.8	23.1	22.7	22.2	22.6	22.6
		12	11	23.3	23.2	22.9	22.0	21.7	21.8	22.9	23.1	22.7	22.2	22.6	22.6
		25	0	23.3	23.1	22.9	21.9	21.6	21.7	22.8	23.0	22.6	22.2	22.6	22.5
	16QAM	1	0	23.5	23.3	23.1	22.1	21.9	22.0	23.0	23.3	23.0	22.4	22.7	22.7
		1	12	23.6	23.4	23.2	22.4	22.0	22.1	23.2	23.4	23.0	22.6	22.9	22.9
		1	24	23.5	23.4	23.3	22.4	21.9	22.1	23.2	23.3	23.0	22.6	22.9	22.9
		12	0	22.2	22.1	22.0	21.1	20.7	20.8	21.8	22.0	21.7	21.3	21.6	21.6
		12	6	22.3	22.2	22.0	21.1	20.7	20.9	21.9	21.9	21.8	21.4	21.6	21.6
		12	11	22.3	22.2	22.0	21.1	20.6	20.9	21.8	22.0	21.8	21.4	21.6	21.7
		25	0	22.3	22.2	21.9	21.1	20.7	20.7	21.8	22.0	21.7	21.3	21.6	21.5
	64QAM	1	0	20.6	21.2	20.7	21.1	21.0	21.7	21.6	22.3	22.0	21.4	22.4	22.3
		1	12	20.7	21.3	20.9	21.4	21.1	21.8	21.7	22.5	22.1	21.6	22.6	22.4
		1	24	20.7	21.3	20.8	21.4	21.1	21.8	21.8	22.4	22.1	21.5	22.5	22.3
		12	0	20.0	20.1	19.7	19.9	20.1	20.3	20.9	21.0	20.8	20.5	20.9	20.9
		12	6	20.1	20.0	19.7	20.0	20.1	20.3	21.0	21.1	20.9	20.5	21.1	21.0
		12	11	19.9	20.0	19.7	20.0	20.1	20.3	21.0	21.1	20.9	20.6	21.0	21.0
		25	0	20.1	19.9	19.6	19.9	20.0	20.1	20.9	20.9	20.8	20.5	20.8	20.9
	256QAM	1	0	18.8	18.8	18.8	17.7	17.9	17.7	18.9	18.9	18.7	18.8	18.7	18.3
		1	12	18.9	18.9	19.0	17.9	18.1	17.9	19.0	19.0	18.8	18.7	18.9	18.1
		1	24	18.9	18.8	19.0	17.8	18.1	17.9	18.9	18.9	18.7	18.8	18.8	18.1
		12	0	18.5	18.5	18.6	17.5	17.5	17.5	18.6	18.6	18.3	18.3	18.3	18.1
		12	6	18.6	18.5	18.7	17.5	17.7	17.5	18.7	18.6	18.5	18.4	18.5	18.1
		12	11	18.6	18.5	18.7	17.5	17.6	17.6	18.7	18.6	18.4	18.4	18.5	18.1
		25	0	18.5	18.5	18.7	17.6	17.7	17.5	18.6	18.6	18.4	18.4	18.4	18.1

OUTPUT POWER FOR LTE BAND 48 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				55290	55990	56690	55290	55990	56690	55290	55990	56690	55290	55990	56690
				3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0	3555.0	3625.0	3695.0
10.0	QPSK	1	0	23.7	23.7	23.3	22.4	22.0	21.7	23.3	23.7	23.4	22.8	23.1	23.2
		1	24	24.1	24.0	23.6	22.7	22.2	22.1	23.6	23.9	23.7	23.2	23.4	23.5
		1	49	23.9	23.8	23.4	22.4	22.0	22.1	23.7	23.7	23.5	23.1	23.2	23.3
		25	0	23.0	23.0	22.8	21.6	21.3	21.1	22.5	23.1	22.7	22.2	22.5	22.4
		25	12	23.2	23.1	23.1	21.8	21.4	20.9	22.8	23.2	22.8	22.4	22.6	22.6
		25	24	23.1	23.1	23.2	21.7	21.3	21.2	22.9	23.1	22.7	22.3	22.6	22.5
		50	0	23.2	23.1	23.1	21.7	21.3	20.9	22.9	23.0	22.7	22.3	22.5	22.5
	16QAM	1	0	23.4	23.1	23.3	22.0	21.5	21.2	22.9	23.2	23.1	22.4	22.8	22.8
		1	24	23.6	23.4	23.5	22.2	21.7	21.6	23.3	23.6	23.3	22.7	23.0	23.1
		1	49	23.5	23.3	23.4	22.1	21.4	21.6	23.1	23.3	23.1	22.5	22.8	23.0
		25	0	22.1	22.0	22.1	20.7	20.3	20.1	21.6	22.1	21.8	21.2	21.5	21.5
		25	12	22.2	22.1	22.2	20.8	20.3	20.2	21.9	22.1	21.9	21.4	21.6	21.6
		25	24	22.2	22.1	22.2	20.8	20.3	20.3	22.0	22.1	21.7	21.3	21.6	21.6
		50	0	22.2	22.1	22.2	20.8	20.3	20.2	21.9	22.1	21.7	21.3	21.6	21.6
	64QAM	1	0	20.9	20.7	19.8	20.4	20.3	21.1	21.5	21.3	22.2	21.3	20.5	22.5
		1	24	21.1	20.8	20.1	20.8	20.5	21.4	21.9	21.7	22.5	21.6	21.7	22.8
		1	49	21.0	20.7	20.0	20.7	20.4	21.2	21.7	21.6	22.3	21.6	21.6	22.6
		25	0	19.8	19.6	19.5	19.6	19.6	19.5	20.8	20.9	20.9	20.4	20.8	20.9
		25	12	19.9	19.7	19.6	19.7	19.8	19.6	21.0	21.0	21.0	20.6	20.9	21.1
		25	24	19.9	19.6	19.6	19.6	19.7	19.7	20.9	21.0	20.9	20.5	20.9	21.0
		50	0	19.8	19.6	19.5	19.6	19.5	19.5	20.9	20.9	20.8	20.5	20.9	21.0
	256QAM	1	0	18.3	17.9	18.7	17.0	17.7	17.3	18.6	18.6	18.1	17.8	18.4	17.7
		1	24	18.6	18.2	19.0	17.2	18.0	17.4	18.9	18.9	18.4	18.1	18.8	18.3
		1	49	18.4	18.1	18.8	17.1	17.9	17.4	18.7	18.6	18.2	18.0	18.7	18.1
		25	0	18.5	18.5	18.5	17.5	17.5	17.4	18.6	18.6	18.4	18.4	18.3	18.1
		25	12	18.6	18.6	18.7	17.6	17.7	17.5	18.7	18.7	18.6	18.4	18.4	18.2
		25	24	18.6	18.6	18.7	17.5	17.7	17.5	18.7	18.6	18.5	18.4	18.4	18.2
		50	0	18.5	18.4	18.6	17.5	17.6	17.4	18.6	18.6	18.4	18.3	18.4	18.1

OUTPUT POWER FOR LTE BAND 48 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				55315	55990	56665	55315	55990	56665	55315	55990	56665	55315	55990	56665
				3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5	3557.5	3625.0	3692.5
15.0	QPSK	1	0	23.9	23.9	23.7	22.5	22.5	22.3	23.5	23.7	23.5	22.9	23.4	23.3
		1	37	24.0	24.1	23.8	22.7	22.4	22.5	23.8	23.8	23.5	23.1	23.5	23.5
		1	74	24.0	24.1	23.7	22.5	22.2	22.5	23.9	23.7	23.3	23.1	23.4	23.4
		36	0	23.2	23.2	23.0	21.9	21.6	21.5	22.9	22.9	22.7	22.3	22.6	22.6
		36	16	23.3	23.2	23.0	21.9	21.5	21.6	23.0	23.0	22.7	22.4	22.7	22.6
		36	35	23.2	23.2	22.9	21.7	21.6	21.7	23.0	22.9	22.6	22.4	22.7	22.6
		75	0	23.2	23.2	22.9	21.7	21.6	21.5	22.9	22.9	22.6	22.4	22.6	22.5
	16QAM	1	0	23.5	23.5	23.2	22.1	22.0	21.9	23.0	23.1	23.1	22.5	23.0	23.0
		1	37	23.7	23.6	23.3	22.2	22.0	22.0	23.3	23.3	23.1	22.8	23.1	23.0
		1	74	23.6	23.6	23.2	22.0	21.8	22.1	23.3	23.1	22.9	22.7	23.0	22.9
		36	0	22.2	22.2	22.0	20.8	20.6	20.5	21.9	21.9	21.7	21.2	21.6	21.6
		36	16	22.3	22.3	22.0	21.0	20.6	20.6	22.0	22.0	21.7	21.4	21.7	21.6
		36	35	22.2	22.3	21.9	20.8	20.4	20.6	22.0	21.9	21.6	21.4	21.6	21.6
		75	0	22.3	22.2	22.0	20.9	20.6	20.6	21.9	22.0	21.7	21.4	21.7	21.5
	64QAM	1	0	20.6	20.2	19.7	20.8	20.5	21.5	21.6	21.3	22.2	21.8	21.8	22.9
		1	37	20.6	20.2	19.8	21.0	20.6	21.6	21.8	21.5	22.3	22.0	22.0	23.0
		1	74	20.9	20.0	19.7	21.0	20.5	21.4	21.7	21.5	22.1	22.0	22.0	22.8
		36	0	19.3	19.5	19.4	19.8	19.8	19.9	20.7	20.8	20.9	20.7	21.2	21.3
		36	16	19.5	19.5	19.5	19.9	19.9	20.0	20.8	21.0	20.9	20.9	21.3	21.4
		36	35	19.4	19.4	19.3	19.8	19.8	20.0	20.7	20.9	20.8	20.8	21.2	21.4
		75	0	19.4	19.5	19.3	19.8	19.8	19.9	20.8	20.8	20.8	20.8	21.1	21.2
	256QAM	1	0	18.5	19.0	19.0	16.9	17.6	17.4	18.7	18.7	18.3	17.8	18.4	18.2
		1	37	18.6	19.2	19.2	17.2	17.9	17.3	19.0	18.8	18.4	18.0	18.5	18.3
		1	74	18.6	19.1	19.1	17.0	17.7	17.4	18.9	18.6	18.1	18.1	18.6	18.1
		36	0	19.0	19.0	19.1	17.5	17.5	17.4	18.7	18.6	18.6	18.4	18.3	18.1
		36	16	19.0	19.0	19.1	17.5	17.6	17.4	18.7	18.7	18.6	18.5	18.4	18.2
		36	35	18.9	19.0	19.1	17.4	17.6	17.4	18.6	18.6	18.5	18.4	18.4	18.2
		75	0	19.0	19.0	19.1	17.5	17.7	17.3	18.7	18.6	18.5	18.4	18.4	18.2

OUTPUT POWER FOR LTE BAND 48 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				55340	55990	56640	55340	55990	56640	55340	55990	56640	55340	55990	56640
				3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0	3560.0	3625.0	3690.0
20.0	QPSK	1	0	23.7	23.8	23.6	22.3	22.2	22.0	23.5	23.5	23.4	22.7	23.3	23.4
		1	49	24.0	24.1	23.7	22.7	22.2	22.2	23.9	23.6	23.5	23.1	23.5	23.5
		1	99	23.8	24.0	23.4	22.2	21.9	22.0	23.7	23.2	23.0	22.9	23.2	23.2
		50	0	23.0	23.0	22.8	21.6	21.3	21.1	22.6	22.7	22.5	22.1	22.4	22.4
		50	24	23.1	23.1	22.9	21.6	21.3	21.1	22.9	22.7	22.5	22.3	22.5	22.4
		50	49	23.0	23.0	22.8	21.5	21.2	21.2	22.8	22.7	22.3	22.2	22.4	22.4
		100	0	23.1	23.0	22.8	21.6	21.2	21.1	22.7	22.7	22.5	22.2	22.5	22.3
	16QAM	1	0	22.8	23.3	22.9	21.9	21.5	21.1	22.7	22.8	22.4	22.2	22.3	22.8
		1	49	23.1	23.5	23.1	22.1	21.4	21.2	23.2	23.0	22.5	22.5	22.5	22.9
		1	99	22.9	23.4	22.8	21.6	21.2	21.1	23.0	22.7	22.1	22.3	22.3	22.6
		50	0	22.1	22.0	21.8	20.6	20.3	20.2	21.6	21.8	21.6	21.1	21.4	21.5
		50	24	22.2	22.1	21.9	20.7	20.3	20.2	21.8	21.8	21.6	21.3	21.5	21.5
		50	49	22.2	22.1	21.8	20.4	20.1	20.3	21.8	21.7	21.4	21.2	21.4	21.4
		100	0	22.1	22.0	21.8	20.5	20.2	20.2	21.7	21.7	21.5	21.2	21.5	21.3
	64QAM	1	0	19.9	19.9	19.9	20.4	20.6	20.6	21.4	21.6	21.2	21.6	22.1	22.1
		1	49	20.3	20.2	20.3	20.8	20.8	20.8	21.7	22.0	21.6	22.0	22.4	22.4
		1	99	20.0	19.9	20.0	20.5	20.7	20.4	21.5	21.8	21.2	21.8	22.2	22.0
		50	0	19.4	19.2	18.8	19.3	19.3	19.5	20.5	20.5	20.6	20.5	20.8	21.0
		50	24	19.4	19.2	19.0	19.5	19.4	19.6	20.6	20.5	20.6	20.7	20.9	21.1
		50	49	19.3	19.1	18.9	19.5	19.4	19.5	20.6	20.5	20.5	20.6	20.9	20.9
		100	0	19.3	19.1	18.8	19.5	19.3	19.5	20.5	20.5	20.5	20.6	20.8	20.9
	256QAM	1	0	19.0	18.8	19.2	17.2	17.7	17.5	18.9	18.6	18.6	18.2	18.5	18.4
		1	49	19.4	19.0	19.5	17.6	18.1	17.8	19.1	18.9	18.8	18.6	18.8	18.5
		1	99	19.1	18.9	19.1	17.4	17.9	17.4	19.0	18.6	18.4	18.3	18.6	18.1
		50	0	19.0	19.0	19.0	17.4	17.6	17.3	18.7	18.7	18.6	18.5	18.4	18.2
		50	24	19.0	19.1	19.1	17.6	17.7	17.3	18.7	18.7	18.6	18.5	18.4	18.2
		50	49	19.0	19.0	19.0	17.5	17.5	17.3	18.7	18.5	18.4	18.5	18.4	18.0
		100	0	19.0	19.0	19.0	17.5	17.7	17.3	18.7	18.6	18.5	18.4	18.4	18.1

7.16. LTE BAND 66

Test Engineer ID:	19467	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 66 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131979	132322	132665	131979	132322	132665	131979	132322	132665	131979	132322	132665
				1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3
1.4	QPSK	1	0	25.3	25.4	25.4	23.0	22.5	22.9	24.8	24.9	25.0	22.8	22.9	22.9
		1	2	25.3	25.6	25.6	23.1	22.5	22.9	24.8	24.9	24.9	22.9	23.0	22.9
		1	5	25.3	25.5	25.5	23.0	22.4	22.7	24.6	24.8	24.8	22.8	22.9	22.8
		3	0	25.3	25.6	25.6	23.0	22.3	22.7	24.5	24.6	24.7	22.8	23.0	22.9
		3	1	25.4	25.6	25.7	23.0	22.3	22.7	24.5	24.7	24.6	22.8	23.0	22.9
		3	2	25.4	25.7	25.7	22.9	22.3	22.6	24.4	24.6	24.6	22.8	23.0	22.9
	16QAM	6	0	24.5	24.7	24.8	22.0	21.4	21.7	23.5	23.7	23.7	21.9	22.0	21.9
		1	0	24.6	24.8	24.9	22.0	21.5	22.1	23.6	23.9	24.1	22.1	22.3	21.9
		1	2	24.7	24.8	24.9	22.0	21.6	22.1	23.6	23.9	24.1	22.1	22.4	22.0
		1	5	24.6	24.8	24.9	22.0	21.6	22.1	23.6	23.9	24.1	22.0	22.3	22.0
		3	0	24.6	25.0	25.1	22.0	21.5	21.9	23.7	23.9	23.9	22.0	22.3	22.2
		3	1	24.7	25.0	25.1	22.1	21.6	22.0	23.8	23.9	24.0	22.1	22.3	22.2
	64QAM	3	2	24.7	25.0	25.1	22.1	21.6	21.9	23.8	23.9	23.9	22.1	22.2	22.2
		6	0	23.8	24.0	24.1	21.1	20.7	20.7	22.8	23.0	22.8	21.1	20.9	21.2
		1	0	23.9	23.4	24.1	20.9	20.6	20.6	22.5	22.6	22.9	21.1	21.2	21.2
		1	2	23.9	23.5	24.2	20.9	20.7	20.6	22.6	22.6	23.0	21.2	21.2	21.2
		1	5	23.9	23.3	24.0	20.9	20.6	20.6	22.5	22.6	22.9	21.0	21.1	21.2
		3	0	23.9	23.3	24.0	20.8	20.7	20.4	22.6	22.5	22.9	21.2	21.0	21.0
	256QAM	3	1	24.0	23.4	24.0	20.9	20.7	20.5	22.7	22.5	22.9	21.2	21.1	21.0
		3	2	23.9	23.3	23.9	20.9	20.7	20.5	22.7	22.5	22.9	21.2	21.0	21.0
		6	0	22.5	22.5	22.6	19.6	19.8	19.5	21.8	21.5	21.5	20.3	20.1	20.1
		1	0	19.9	20.5	20.2	18.6	18.6	18.6	20.0	19.9	19.6	18.1	17.6	17.7
		1	2	19.9	20.5	20.3	18.5	18.6	18.5	20.1	20.0	19.8	18.2	17.7	17.8
		1	5	19.8	20.4	20.1	18.5	18.6	18.5	20.0	19.9	19.6	18.1	17.6	17.7
		3	0	20.3	20.4	20.4	18.7	18.7	18.6	20.1	19.8	19.7	18.0	17.7	17.8
		3	1	20.4	20.5	20.5	18.7	18.6	18.5	20.2	19.9	19.8	18.1	17.8	17.8
		3	2	20.3	20.5	20.4	18.7	18.6	18.5	20.1	19.8	19.8	18.0	17.7	17.8
		6	0	20.3	20.4	20.4	18.7	18.6	18.5	20.1	19.8	20.0	17.9	17.9	17.8

OUTPUT POWER FOR LTE BAND 66 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131987	132322	132657	131987	132322	132657	131987	132322	132657	131987	132322	132657
				1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5
3.0	QPSK	1	0	25.7	25.7	25.5	22.9	22.5	23.1	24.6	24.9	25.0	23.0	23.0	23.0
		1	7	25.7	25.7	25.5	22.9	22.5	22.9	24.6	24.9	24.9	22.9	23.0	22.9
		1	14	25.7	25.7	25.5	22.8	22.5	22.8	24.6	24.8	24.8	22.9	22.9	22.9
		8	0	24.9	24.8	24.7	21.8	21.6	22.0	23.6	23.9	23.8	22.1	22.1	22.0
		8	4	25.0	24.9	24.7	21.9	21.6	22.0	23.7	24.0	23.9	22.0	22.1	22.0
		8	7	24.9	24.9	24.8	21.9	21.7	22.0	23.7	24.0	23.9	22.1	22.1	22.0
		15	0	24.9	24.8	24.7	21.8	21.6	21.9	23.7	23.9	23.8	22.1	22.1	22.0
	16QAM	1	0	25.0	25.0	24.9	21.8	21.4	22.3	23.7	23.8	24.2	22.2	22.2	22.1
		1	7	25.0	25.0	24.8	21.9	21.5	22.3	23.7	23.8	24.2	22.1	22.1	22.0
		1	14	24.9	24.9	24.8	21.9	21.4	22.2	23.7	23.7	24.2	22.1	22.1	22.0
		8	0	24.0	24.0	23.9	20.9	20.8	21.1	22.7	23.1	23.0	21.1	21.1	21.1
		8	4	24.1	24.0	23.9	21.0	20.9	21.2	22.9	23.2	23.1	21.1	21.2	21.2
		8	7	24.1	24.0	23.9	21.1	20.9	21.2	22.9	23.3	23.1	21.2	21.2	21.1
		15	0	23.9	23.9	23.8	20.9	20.8	21.1	22.8	23.1	23.0	21.1	21.1	21.0
	64QAM	1	0	23.6	23.8	24.1	21.1	21.1	20.8	22.8	22.9	22.8	21.4	21.4	21.4
		1	7	23.5	23.8	23.9	21.1	21.1	20.8	22.7	22.9	22.8	21.2	21.2	21.1
		1	14	23.6	23.8	24.0	21.0	21.1	20.7	22.8	22.8	22.7	21.3	21.3	21.2
		8	0	22.2	22.6	22.8	19.9	19.8	19.8	21.6	21.6	21.8	20.1	20.1	20.1
		8	4	22.3	22.6	22.8	19.9	19.9	19.8	21.6	21.7	21.8	20.1	20.1	20.1
		8	7	22.3	22.7	22.9	19.9	19.9	19.8	21.6	21.7	21.8	20.1	20.1	20.1
		15	0	22.3	22.6	22.9	20.0	19.8	19.8	21.7	21.6	21.8	20.2	20.2	20.2
	256QAM	1	0	20.4	20.5	20.1	18.6	18.6	18.6	20.4	19.8	19.9	18.5	17.8	17.8
		1	7	20.3	20.5	20.0	18.5	18.6	18.5	20.3	19.7	19.9	18.4	17.6	17.8
		1	14	20.4	20.5	20.0	18.5	18.6	18.5	20.4	19.7	19.8	18.5	17.6	17.7
		8	0	20.5	20.4	20.3	18.7	18.7	18.6	20.2	19.9	20.0	18.2	17.8	17.9
		8	4	20.5	20.4	20.3	18.7	18.6	18.5	20.2	19.9	20.0	18.2	17.9	17.9
		8	7	20.5	20.4	20.3	18.7	18.6	18.5	20.2	19.9	20.0	18.2	17.8	17.9
		15	0	20.4	20.5	20.3	18.7	18.6	18.5	20.2	20.0	20.0	18.1	18.0	17.9

OUTPUT POWER FOR LTE BAND 66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131997 1712.5	132322 1745.0	132647 1777.5	131997 1712.5	132322 1745.0	132647 1777.5	131997 1712.5	132322 1745.0	132647 1777.5	131997 1712.5	132322 1745.0	132647 1777.5
5.0	QPSK	1	0	25.5	25.6	25.6	23.0	22.5	23.0	24.2	24.9	24.7	23.0	22.9	22.9
		1	12	25.7	25.7	25.7	23.1	22.6	22.9	24.4	25.0	24.9	23.0	22.9	22.9
		1	24	25.7	25.7	25.6	22.8	22.5	22.7	24.3	24.8	24.7	22.9	22.9	22.8
		12	0	24.8	24.8	24.8	21.8	21.5	22.0	23.3	23.8	23.7	22.0	22.0	22.0
		12	6	24.8	24.8	24.8	21.9	21.6	22.0	23.5	23.9	23.9	22.1	22.0	22.0
		12	11	24.7	24.8	24.8	21.9	21.6	21.9	23.5	23.9	23.9	22.0	22.0	22.0
		25	0	24.8	24.7	24.8	21.7	21.6	21.9	23.3	23.9	23.7	22.0	22.0	22.0
	16QAM	1	0	24.9	24.8	25.0	21.7	21.6	22.3	23.4	23.9	24.0	22.2	22.1	22.2
		1	12	25.0	24.9	25.1	21.9	21.7	22.4	23.6	24.1	24.3	22.4	22.1	22.1
		1	24	24.9	24.8	24.9	21.8	21.7	22.2	23.5	23.9	24.2	22.2	22.1	22.1
		12	0	23.9	23.9	24.0	20.8	20.7	21.1	22.6	23.0	22.9	21.1	21.1	21.0
		12	6	23.9	23.9	24.0	21.0	20.8	21.2	22.8	23.2	23.2	21.2	21.1	21.1
		12	11	23.8	23.9	23.9	21.0	20.9	21.2	22.8	23.2	23.2	21.1	21.1	21.0
		25	0	23.7	23.7	23.9	20.7	20.7	21.0	22.6	23.1	22.9	21.0	21.0	21.0
	64QAM	1	0	23.3	23.4	23.8	21.2	20.7	21.1	22.9	22.6	23.1	21.2	21.2	21.3
		1	12	23.5	23.4	23.9	21.3	20.7	21.0	23.0	22.6	23.1	21.4	21.3	21.3
		1	24	23.4	23.3	23.6	21.2	20.7	20.9	23.0	22.6	23.0	21.3	21.2	21.2
		12	0	22.1	22.2	22.5	20.1	20.0	19.8	21.9	21.7	21.8	20.1	20.1	20.1
		12	6	22.3	22.3	22.6	20.1	19.9	19.8	21.9	21.8	21.8	20.1	20.1	20.1
		12	11	22.3	22.3	22.6	20.0	19.9	19.7	21.8	21.8	21.7	20.1	20.1	20.0
		25	0	22.0	22.2	22.4	20.0	19.8	19.7	21.8	21.7	21.8	20.1	20.1	20.0
	256QAM	1	0	20.4	20.4	20.0	18.6	18.5	18.6	20.2	19.9	19.7	17.8	18.0	17.9
		1	12	20.4	20.4	20.0	18.6	18.5	18.5	20.2	20.0	19.7	17.8	18.0	17.9
		1	24	20.5	20.4	19.9	18.6	18.5	18.4	20.2	19.9	19.6	17.8	18.0	17.8
		12	0	20.4	20.5	20.3	18.7	18.7	18.7	20.2	20.0	19.9	18.1	18.0	17.8
		12	6	20.5	20.5	20.3	18.7	18.6	18.7	20.2	20.0	20.0	18.1	18.0	17.8
		12	11	20.4	20.4	20.2	18.7	18.6	18.6	20.1	19.9	19.9	18.1	17.9	17.8
		25	0	20.5	20.5	20.3	18.7	18.6	18.6	20.1	20.0	20.0	18.2	17.9	17.8

OUTPUT POWER FOR LTE BAND 66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132022	132322	132622	132022	132322	132622	132022	132322	132622	132022	132322	132622
				1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0
10.0	QPSK	1	0	25.4	25.2	25.4	22.3	22.0	22.4	23.7	24.5	23.9	22.7	22.6	22.5
		1	24	25.7	25.6	25.7	23.0	22.4	23.1	24.6	25.0	25.0	23.0	22.9	22.9
		1	49	25.6	25.4	25.4	22.2	22.0	22.3	24.1	24.4	24.4	22.7	22.7	22.6
		25	0	24.8	24.7	24.8	21.5	21.3	21.8	23.3	23.7	23.4	22.0	21.9	21.8
		25	12	25.0	24.8	24.9	21.8	21.5	22.1	23.6	24.0	23.8	22.1	22.1	22.0
		25	24	24.8	24.7	24.8	21.6	21.5	21.8	23.6	23.9	23.7	22.0	22.0	21.9
	16QAM	50	0	24.6	24.8	24.9	21.5	21.4	21.8	23.4	23.8	23.5	22.1	22.0	21.9
		1	0	24.1	24.7	24.2	21.0	21.0	21.5	22.9	23.3	23.0	21.9	21.8	21.7
		1	24	24.9	24.9	25.1	21.8	21.4	22.4	23.8	24.0	24.2	22.1	22.1	22.0
		1	49	24.3	24.6	24.5	21.1	21.1	21.7	23.3	23.4	23.8	21.8	21.9	21.8
		25	0	23.6	23.9	23.8	20.5	20.5	20.9	22.6	22.9	22.5	21.1	21.1	21.0
		25	12	23.9	24.0	24.1	20.9	20.7	21.2	22.9	23.2	23.0	21.3	21.2	21.0
	64QAM	25	24	23.8	23.9	23.9	20.7	20.6	20.9	22.9	23.0	22.9	21.1	21.1	21.1
		50	0	23.6	23.8	23.8	20.5	20.6	20.9	22.7	22.9	22.7	21.1	21.1	20.9
		1	0	23.6	23.2	22.9	20.9	20.9	20.6	22.9	23.0	22.8	20.9	20.9	20.8
		1	24	23.9	23.5	23.8	21.2	21.3	21.0	23.2	23.3	23.2	21.2	21.3	21.2
		1	49	23.7	23.1	23.2	20.9	21.1	20.8	23.1	23.2	22.9	20.9	21.1	21.0
		25	0	22.6	22.2	22.2	20.0	20.0	19.9	22.1	22.0	22.1	20.1	20.1	20.0
	256QAM	25	12	22.8	22.3	22.6	20.2	20.0	20.0	22.2	22.1	22.2	20.2	20.2	20.0
		25	24	22.7	22.2	22.4	20.1	20.0	19.9	22.1	22.0	22.1	20.1	20.1	20.1
		50	0	22.5	22.0	22.2	20.1	19.9	19.8	22.1	22.0	22.1	20.1	20.1	19.9
		1	0	20.3	19.9	20.0	18.3	18.3	18.4	19.6	19.7	20.0	18.2	17.4	17.5
		1	24	20.6	20.3	20.2	18.6	18.7	18.7	20.0	19.9	20.4	18.5	17.7	17.8
		1	49	20.4	20.1	20.0	18.4	18.5	18.4	19.7	19.7	20.2	18.3	17.4	17.6
		25	0	20.4	20.4	20.1	18.6	18.5	18.5	20.1	20.0	19.8	18.1	17.9	17.8
		25	12	20.5	20.5	20.1	18.7	18.7	18.6	20.2	20.0	20.0	18.2	18.0	17.8
		25	24	20.5	20.4	20.1	18.7	18.6	18.6	20.1	19.9	19.9	18.1	17.9	17.8
		50	0	20.4	20.4	20.1	18.6	18.6	18.5	20.1	19.9	19.8	18.1	17.9	17.7

OUTPUT POWER FOR LTE BAND 66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132047	132322	132597	132047	132322	132597	132047	132322	132597	132047	132322	132597
				1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5
15.0	QPSK	1	0	25.4	25.4	25.6	23.1	22.0	22.6	24.3	25.0	24.7	22.8	22.9	22.9
		1	37	25.6	25.3	25.7	23.0	21.9	22.7	24.6	24.9	24.9	22.9	23.0	23.0
		1	74	25.5	25.2	25.4	22.6	22.0	22.2	24.7	24.7	24.8	22.7	22.8	23.0
		36	0	24.2	24.2	24.1	21.5	21.1	21.3	23.5	24.0	23.3	21.9	22.0	22.0
		36	16	24.2	24.1	24.3	21.4	21.1	21.5	23.7	23.9	23.7	22.0	22.1	22.0
		36	35	24.2	24.0	24.2	21.4	21.1	21.4	23.7	23.9	23.8	21.9	22.1	22.1
		75	0	24.0	23.9	24.0	21.1	21.1	21.2	23.6	23.8	23.5	21.9	22.1	22.0
	16QAM	1	0	24.2	24.3	24.2	21.4	21.1	21.4	23.8	23.9	23.7	22.4	22.4	22.6
		1	37	24.4	24.2	24.5	21.6	21.0	21.9	24.1	23.9	24.2	22.6	22.5	22.6
		1	74	24.5	24.2	24.4	21.6	21.1	21.6	24.2	23.8	24.3	22.3	22.4	22.6
		36	0	23.0	23.1	22.8	20.2	20.4	20.4	22.7	23.2	22.5	20.9	21.1	21.0
		36	16	23.1	23.0	23.1	20.3	20.3	20.6	22.9	23.2	22.9	21.0	21.1	21.1
		36	35	23.1	23.0	23.2	20.3	20.3	20.6	23.0	23.2	23.1	20.8	21.1	21.1
		75	0	23.0	22.9	23.0	20.2	20.3	20.4	22.9	23.2	22.8	20.9	21.2	21.1
	64QAM	1	0	23.0	23.2	23.2	21.3	21.0	20.8	23.7	23.4	23.5	21.2	21.5	21.6
		1	37	23.2	23.0	23.5	21.5	20.9	20.9	23.8	23.5	23.5	21.3	21.7	21.6
		1	74	23.3	23.0	23.3	21.3	21.0	20.8	23.8	23.4	23.4	21.1	21.5	21.6
		36	0	21.5	21.6	21.4	19.9	19.9	19.9	22.3	22.3	22.5	20.1	20.1	20.0
		36	16	21.6	21.5	21.7	20.0	19.8	19.9	22.4	22.3	22.5	20.2	20.1	20.1
		36	35	21.6	21.5	21.8	19.9	19.8	19.9	22.4	22.3	22.5	20.1	20.2	20.1
		75	0	21.5	21.5	21.6	20.0	19.8	19.8	22.4	22.3	22.3	20.1	20.2	20.1
	256QAM	1	0	20.4	20.3	20.2	18.4	18.5	18.5	19.8	20.0	20.1	18.3	17.5	17.8
		1	37	20.6	20.6	20.3	18.6	18.6	18.7	19.9	20.1	20.3	18.4	17.6	18.0
		1	74	20.5	20.5	20.2	18.4	18.4	18.4	19.7	20.0	20.2	18.3	17.4	17.9
		36	0	20.6	20.4	20.3	18.6	18.5	18.6	20.1	19.8	19.9	18.1	17.9	17.7
		36	16	20.6	20.5	20.3	18.7	18.6	18.6	20.1	19.9	19.9	18.1	17.9	17.8
		36	35	20.5	20.4	20.3	18.7	18.5	18.6	20.1	19.9	19.9	18.1	17.8	17.7
		75	0	20.5	20.5	20.3	18.7	18.6	18.6	20.1	19.9	19.8	18.1	17.8	17.7

OUTPUT POWER FOR LTE BAND 66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132072	132322	132572	132072	132322	132572	132072	132322	132572	132072	132322	132572
				1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20.0	QPSK	1	0	25.4	25.4	25.7	22.6	22.3	23.1	24.5	24.8	24.8	22.8	22.7	22.9
		1	49	25.6	25.4	25.7	22.9	22.5	23.1	25.0	24.7	23.0	23.0	23.0	22.9
		1	99	24.9	24.9	25.5	22.3	22.2	22.7	24.6	24.4	24.9	22.7	22.8	23.0
		50	0	23.9	24.2	23.8	21.5	21.5	21.2	23.6	23.9	23.0	22.1	22.0	21.9
		50	24	24.0	24.1	24.2	21.6	21.6	21.8	23.8	24.0	23.6	22.2	22.2	22.1
		50	49	23.8	23.9	24.1	21.4	21.5	21.8	23.8	23.7	23.6	22.1	22.1	22.0
	16QAM	100	0	23.7	23.8	23.8	21.3	21.5	21.5	23.6	23.7	23.2	22.1	22.1	22.0
		1	0	23.8	24.2	24.4	21.5	22.0	22.0	23.7	24.2	23.9	22.3	22.2	22.5
		1	49	24.4	24.4	24.5	22.1	22.2	22.3	24.3	24.6	24.1	22.5	22.5	22.4
		1	99	24.0	24.0	24.6	21.7	22.0	22.1	24.0	24.0	24.4	22.3	22.3	22.5
		50	0	22.7	23.0	22.5	20.5	20.8	20.3	22.7	23.1	22.1	21.1	21.1	20.9
		50	24	23.0	23.1	23.1	20.7	20.8	21.0	23.0	23.2	22.7	21.2	21.2	21.1
	64QAM	50	49	22.9	22.9	23.1	20.6	20.7	21.0	22.9	23.0	22.8	21.1	21.1	21.0
		100	0	22.8	23.0	22.9	20.5	20.8	20.7	22.8	23.1	22.5	21.2	21.2	21.0
		1	0	22.5	22.8	23.0	21.3	21.4	21.9	23.1	23.2	23.9	21.3	21.0	21.2
		1	49	23.0	22.8	23.1	21.6	21.4	21.9	23.5	23.5	23.9	21.6	21.3	21.2
		1	99	22.6	22.5	23.2	21.4	21.3	21.9	23.3	23.4	23.9	21.4	21.1	21.2
		50	0	21.4	21.6	21.1	20.4	20.3	20.3	22.2	22.3	22.3	20.1	20.1	20.0
	256QAM	50	24	21.6	21.6	21.7	20.5	20.3	20.4	22.4	22.4	22.4	20.2	20.2	20.1
		50	49	21.5	21.4	21.7	20.4	20.2	20.3	22.3	22.3	22.3	20.1	20.2	20.1
		100	0	21.4	21.4	21.4	20.5	20.3	20.2	22.3	22.3	22.3	20.1	20.1	20.0
		1	0	20.1	20.5	20.1	18.2	18.4	18.4	19.9	19.5	19.7	17.9	17.5	17.7
		1	49	20.4	20.8	20.4	18.7	18.6	18.6	20.2	19.8	20.0	18.2	17.8	17.9
		1	99	20.1	20.7	20.1	18.5	18.5	18.3	20.0	19.5	19.8	18.0	17.5	17.7
		50	0	20.4	20.3	20.3	18.6	18.5	18.6	20.0	19.8	19.8	18.1	17.9	17.7
		50	24	20.5	20.5	20.3	18.8	18.6	18.7	20.1	19.9	19.9	18.1	17.9	17.7
		50	49	20.4	20.4	20.2	18.7	18.5	18.5	20.0	19.9	19.8	18.0	17.8	17.7
		100	0	20.4	20.4	20.3	18.7	18.6	18.5	20.0	19.9	19.7	18.0	17.9	17.6

7.17. LTE BAND 71

Test Engineer ID:	10646	Test Date:	5/7/2020
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OUTPUT POWER FOR LTE BAND 71 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133147	133297	133447	133147	133297	133447
				665.5	680.5	695.5	665.5	680.5	695.5
5.0	QPSK	1	0	25.5	25.5	25.4	24.4	24.2	24.3
		1	12	25.5	25.7	25.4	24.4	24.3	24.3
		1	24	25.6	25.7	25.4	24.5	24.3	24.3
		12	0	24.5	24.6	24.5	23.3	23.3	23.3
		12	6	24.7	24.6	24.5	23.5	23.4	23.4
		12	11	24.7	24.7	24.5	23.5	23.5	23.4
	16QAM	25	0	24.6	24.7	24.6	23.5	23.5	23.3
		1	0	24.8	24.7	25.0	23.6	23.9	23.5
		1	12	24.8	24.9	25.1	23.6	24.0	23.5
		1	24	24.9	24.9	25.0	23.7	24.1	23.5
		12	0	23.7	23.7	23.7	22.5	22.5	22.4
		12	6	23.8	23.7	23.7	22.6	22.6	22.4
	64QAM	12	11	23.8	23.8	23.7	22.6	22.6	22.4
		25	0	23.6	23.7	23.6	22.5	22.6	22.3
		1	0	23.8	23.3	23.7	22.5	22.0	22.3
		1	12	23.9	23.4	23.7	22.5	22.1	22.4
		1	24	23.9	23.4	23.7	22.6	22.1	22.4
		12	0	22.6	22.5	22.4	21.2	21.2	21.1
	256QAM	12	6	22.7	22.5	22.4	21.3	21.3	21.1
		12	11	22.7	22.6	22.4	21.3	21.3	21.1
		25	0	22.6	22.4	22.4	21.3	21.2	21.0
		1	0	20.3	20.7	20.7	19.7	19.8	19.8
		1	12	20.6	20.8	20.7	19.8	20.0	19.6
		1	24	20.6	20.9	20.6	19.9	19.9	19.7
		12	0	20.7	20.7	20.6	20.0	19.9	19.9
		12	6	20.8	20.8	20.7	20.0	20.0	19.8
		12	11	20.8	20.8	20.7	20.0	20.0	19.9
		25	0	20.8	20.7	20.7	20.0	20.0	19.8

OUTPUT POWER FOR LTE BAND 71 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133172	133297	133422	133172	133297	133422
				668.0	680.5	693.0	668.0	680.5	693.0
10.0	QPSK	1	0	25.7	25.7	25.7	24.5	24.4	24.5
		1	24	25.6	25.7	25.6	24.4	24.4	24.4
		1	49	25.6	25.6	25.6	24.4	24.4	24.4
		25	0	24.7	24.7	24.7	23.5	23.5	23.5
		25	12	24.8	24.8	24.7	23.6	23.5	23.4
		25	24	24.8	24.8	24.7	23.5	23.5	23.5
	16QAM	50	0	24.7	24.7	24.6	23.5	23.5	23.4
		1	0	24.8	24.7	25.1	23.5	23.5	23.9
		1	24	24.8	24.7	25.0	23.5	23.4	23.8
		1	49	24.8	24.7	25.0	23.5	23.4	23.8
		25	0	23.8	23.8	23.7	22.6	22.5	22.5
		25	12	24.0	23.8	23.7	22.7	22.6	22.5
	64QAM	25	24	23.9	23.8	23.7	22.6	22.6	22.5
		50	0	23.8	23.7	23.6	22.6	22.5	22.4
		1	0	23.8	23.9	23.6	22.4	22.6	22.3
		1	24	23.8	23.8	23.6	22.5	22.5	22.3
		1	49	23.8	23.9	23.6	22.5	22.6	22.3
		25	0	22.7	22.6	22.6	21.3	21.3	21.3
	256QAM	25	12	22.7	22.6	22.6	21.4	21.3	21.3
		25	24	22.7	22.6	22.6	21.3	21.3	21.3
		50	0	22.6	22.5	22.4	21.2	21.2	21.1
		1	0	20.5	20.9	20.2	19.5	19.6	19.5
		1	24	20.8	21.1	20.5	19.9	19.9	19.8
		1	49	20.7	20.9	20.2	19.5	19.9	19.6
		25	0	20.7	20.6	20.6	19.9	19.8	19.7
		25	12	20.9	20.7	20.7	20.0	19.9	19.8
		25	24	20.9	20.7	20.7	19.9	19.9	19.8
		50	0	20.8	20.6	20.6	19.9	19.8	19.8

OUTPUT POWER FOR LTE BAND 71 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133197	133297	133397	133197	133297	133397
				670.5	680.5	690.5	670.5	680.5	690.5
15.0	QPSK	1	0	25.7	25.6	25.6	24.5	24.5	24.5
		1	37	25.7	25.5	25.5	24.5	24.5	24.4
		1	74	25.7	25.5	25.4	24.5	24.5	24.4
		36	0	24.7	24.6	24.6	23.5	23.6	23.5
		36	16	24.7	24.6	24.6	23.6	23.5	23.5
		36	35	24.7	24.6	24.6	23.5	23.5	23.5
		75	0	24.7	24.6	24.5	23.6	23.5	23.4
	16QAM	1	0	25.1	24.6	25.0	23.9	23.5	23.9
		1	37	25.1	24.6	24.9	24.1	23.5	23.9
		1	74	25.1	24.5	24.8	24.0	23.5	23.8
		36	0	23.7	23.6	23.6	22.6	22.6	22.6
		36	16	23.7	23.6	23.6	22.6	22.5	22.5
		36	35	23.7	23.6	23.6	22.6	22.5	22.5
		75	0	23.7	23.5	23.5	22.6	22.5	22.4
	64QAM	1	0	23.9	23.6	23.4	22.8	22.5	22.3
		1	37	23.9	23.6	23.4	22.8	22.5	22.3
		1	74	24.0	23.6	23.3	22.9	22.5	22.2
		36	0	22.4	22.4	22.4	21.3	21.3	21.3
		36	16	22.5	22.4	22.4	21.3	21.3	21.3
		36	35	22.4	22.4	22.4	21.3	21.3	21.3
		75	0	22.4	22.3	22.3	21.3	21.2	21.2
	256QAM	1	0	20.7	20.9	20.2	19.6	19.8	19.6
		1	37	21.0	21.1	20.5	20.0	19.9	20.1
		1	74	20.9	21.0	20.3	20.0	19.9	19.7
		36	0	20.7	20.7	20.6	19.8	19.8	19.8
		36	16	20.8	20.7	20.6	19.9	19.9	19.8
		36	35	20.8	20.7	20.7	19.9	19.9	19.9
		75	0	20.8	20.7	20.7	19.9	19.9	19.8

OUTPUT POWER FOR LTE BAND 71 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)					
				ANT 1			ANT 2		
				133222	133297	133372	133222	133297	133372
				673.0	680.5	688.0	673.0	680.5	688.0
20.0	QPSK	1	0	25.7	25.7	25.6	24.4	24.5	24.4
		1	49	25.7	25.6	25.6	24.4	24.4	24.4
		1	99	25.7	25.6	25.5	24.4	24.4	24.3
		50	0	24.8	24.7	24.7	23.5	23.5	23.5
		50	24	24.8	24.7	24.7	23.6	23.5	23.5
		50	49	24.7	24.7	24.6	23.5	23.5	23.4
		100	0	24.8	24.7	24.6	23.5	23.5	23.4
	16QAM	1	0	25.2	25.3	25.2	24.0	24.1	23.9
		1	49	25.2	25.2	25.1	23.9	24.0	23.9
		1	99	25.2	25.2	25.0	23.9	24.0	23.8
		50	0	23.8	23.7	23.7	22.6	22.6	22.5
		50	24	23.8	23.8	23.8	22.6	22.6	22.5
		50	49	23.7	23.7	23.7	22.5	22.5	22.4
		100	0	23.8	23.7	23.6	22.6	22.5	22.4
	64QAM	1	0	23.6	23.7	24.0	22.3	22.5	22.8
		1	49	23.7	23.7	24.0	22.4	22.4	22.8
		1	99	23.7	23.8	23.9	22.5	22.5	22.7
		50	0	22.5	22.5	22.5	21.3	21.3	21.2
		50	24	22.6	22.5	22.5	21.3	21.3	21.2
		50	49	22.6	22.5	22.4	21.3	21.2	21.2
		100	0	22.5	22.4	22.3	21.3	21.1	21.1
	256QAM	1	0	20.4	20.5	20.6	19.6	19.5	19.5
		1	49	20.6	20.9	20.8	20.2	19.9	19.8
		1	99	20.6	20.8	20.6	20.0	19.6	19.5
		50	0	20.7	20.7	20.7	19.8	19.8	19.8
		50	24	20.9	20.7	20.7	19.9	19.9	19.9
		50	49	20.9	20.7	20.7	19.9	19.9	19.8
		100	0	20.8	20.6	20.6	19.9	19.8	19.8

7.18. 5G NR Band n77

Test Engineer ID:	19171	Test Date:	8/14/2020
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OUTPUT POWER FOR 5G NR Band n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647333	656000	664666	647333	656000	664666	647333	656000	664666	647333	656000	664666
20.0	BPSK	1	0	22.9	21.4	22.0	19.0	19.2	18.0	22.4	22.0	22.0	19.5	19.6	19.0
		1	1	25.7	24.2	24.1	22.7	22.1	21.9	25.5	25.3	25.1	23.0	23.5	22.5
		25	12	24.5	24.2	23.8	22.5	22.3	21.8	25.3	25.1	25.2	22.9	23.1	22.7
		50	0	22.3	24.0	22.7	22.0	21.7	21.1	25.3	25.1	25.2	22.4	22.6	22.2
	QPSK	1	0	22.1	22.0	22.2	19.1	19.1	19.0	22.0	22.0	21.8	19.8	19.7	19.7
		1	1	25.5	25.4	25.5	22.6	22.7	22.7	25.5	25.4	25.4	23.1	23.1	23.3
		25	12	25.5	25.6	25.5	22.6	22.5	22.7	25.4	25.3	25.4	23.2	23.4	23.2
		50	0	24.6	24.4	24.6	21.8	21.7	21.6	24.4	24.4	24.4	22.3	22.1	22.1
	16QAM	1	0	22.2	22.2	22.1	19.3	19.2	19.3	22.1	22.0	21.9	19.7	19.8	19.7
		1	1	24.7	24.7	24.7	21.9	21.8	21.9	24.6	24.6	24.5	22.2	22.4	22.3
		25	12	24.8	24.7	24.6	21.7	21.7	21.9	24.6	24.5	24.5	22.3	22.3	22.2
		50	0	23.7	23.7	23.6	20.8	20.7	20.7	23.5	23.4	23.6	21.3	21.3	21.2
	64QAM	1	0	22.2	22.3	22.1	19.3	19.2	19.3	22.0	22.1	22.0	19.8	19.8	19.7
		1	1	23.2	23.2	23.1	20.3	20.4	20.3	22.9	23.0	23.1	20.8	20.7	20.9
		25	12	23.3	23.3	23.2	20.2	20.3	20.2	23.1	22.9	23.1	20.8	20.8	20.8
		50	0	23.2	23.1	23.3	20.2	20.2	20.3	22.9	23.1	23.1	20.9	20.9	20.8
	256QAM	1	0	21.3	21.3	21.3	18.3	18.2	18.3	21.1	20.9	21.1	18.8	18.9	18.9
		1	1	21.2	21.3	21.2	18.2	18.2	18.2	20.9	21.0	21.0	18.9	18.7	18.9
		25	12	21.3	21.3	21.2	18.2	18.3	18.3	21.0	21.0	21.1	18.9	18.9	18.8
		50	0	21.2	21.1	21.2	18.3	18.2	18.2	21.0	21.0	20.9	18.9	18.8	18.8

OUTPUT POWER FOR 5G NR Band n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
40.0	BPSK	1	0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0	3720.0	3840.0	3960.0
		1	0	22.5	22.3	21.6	18.5	18.8	18.2	22.4	22.6	22.4	19.4	19.9	18.8
		1	1	24.9	25.1	25.7	22.3	22.7	21.9	25.3	22.5	25.2	22.5	23.2	22.6
		50	25	25.3	24.8	24.3	22.2	22.3	20.8	25.3	25.3	24.9	22.8	23.5	22.0
	QPSK	100	0	25.2	24.9	24.5	21.6	21.8	20.8	25.3	25.5	24.9	22.3	22.6	21.6
		1	0	21.9	21.9	22.0	18.8	19.0	18.9	21.9	21.9	22.0	19.8	20.0	19.9
		1	1	25.6	25.6	25.5	22.3	22.4	22.3	25.4	25.3	25.4	23.4	23.3	23.3
		50	25	25.5	25.5	25.5	22.6	22.3	22.5	25.5	25.3	25.4	23.5	23.4	23.4
	16QAM	100	0	24.5	24.6	24.6	21.5	21.5	21.4	24.5	24.4	24.3	22.3	22.3	22.3
		1	0	22.0	22.1	22.2	19.0	18.9	19.0	22.1	21.9	22.0	19.9	20.0	20.0
		1	1	24.5	24.6	24.7	21.5	21.4	21.5	24.5	24.5	24.6	22.4	22.5	22.4
		50	25	24.5	24.6	24.5	21.5	21.6	21.5	24.6	24.5	24.5	22.4	22.4	22.5
	64QAM	100	0	23.7	23.6	23.6	20.5	20.5	20.6	23.6	23.5	23.5	21.3	21.4	21.5
		1	0	22.1	22.1	22.1	19.1	18.9	19.1	22.1	22.0	21.9	19.9	19.8	19.8
		1	1	23.2	23.1	23.2	19.9	20.0	19.9	23.1	23.0	23.1	21.0	20.9	20.9
		50	25	23.1	23.1	23.2	20.1	20.0	19.9	22.9	23.0	23.0	20.9	20.9	21.0
	256QAM	100	0	23.1	23.2	23.1	20.0	20.0	20.0	22.9	23.1	23.1	21.0	21.0	21.0
		1	0	21.1	21.1	21.0	18.0	18.0	17.9	21.0	21.0	21.1	19.0	18.9	18.8
		1	1	21.0	21.0	21.1	18.1	17.9	18.0	20.9	21.1	21.1	19.0	18.9	19.0
		50	25	21.2	21.0	21.1	18.0	18.0	18.1	21.1	21.0	21.1	18.9	18.8	19.0
		100	0	21.1	21.1	21.1	17.9	18.1	18.1	21.0	20.9	20.9	18.9	19.0	18.9

OUTPUT POWER FOR 5G NR Band n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648333	656000	663666	648333	656000	663666	648333	656000	663666	648333	656000	663666
50.0	BPSK	1	0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0	3725.0	3840.0	3955.0
		1	0	22.6	24.6	22.4	18.6	18.9	18.0	22.1	23.5	21.9	19.4	19.6	18.4
		1	1	25.1	25.7	24.1	21.8	22.7	21.8	22.0	25.0	25.5	22.4	23.5	22.0
		64	32	25.0	25.0	24.7	22.1	21.9	21.1	24.9	25.0	24.6	22.5	23.0	22.0
	QPSK	128	0	25.1	24.8	24.5	21.5	21.9	20.6	24.9	25.1	24.6	22.1	22.3	21.5
		1	0	21.9	22.2	22.1	19.0	18.9	19.0	21.9	21.8	21.7	19.7	19.9	19.8
		1	1	25.5	25.4	25.5	22.5	22.5	22.3	25.4	25.3	25.4	23.3	23.3	23.3
		64	32	25.4	25.5	25.4	22.6	22.5	22.6	25.2	25.3	25.2	23.2	23.4	23.4
	16QAM	128	0	24.5	24.5	24.4	21.4	21.4	21.3	24.3	24.2	24.4	22.2	22.2	22.4
		1	0	22.1	22.2	22.2	19.2	19.1	19.1	21.8	21.9	21.9	19.9	19.9	20.0
		1	1	24.6	24.6	24.5	21.6	21.5	21.6	24.4	24.4	24.4	22.5	22.4	22.5
		64	32	24.6	24.6	24.5	21.6	21.5	21.7	24.4	24.4	24.4	22.4	22.5	22.3
	64QAM	128	0	23.6	23.5	23.5	20.5	20.7	20.6	23.3	23.4	23.5	21.4	21.4	21.4
		1	0	22.1	22.1	22.2	19.1	19.0	19.1	21.9	21.9	21.9	19.9	19.8	19.9
		1	1	23.0	23.2	23.1	20.2	20.0	20.1	23.0	22.9	22.8	21.0	21.0	20.8
		64	32	23.2	23.2	23.1	20.2	20.0	20.1	22.9	23.0	23.0	21.0	20.9	20.9
	256QAM	128	0	23.0	23.0	23.1	20.2	20.2	20.1	22.9	22.9	22.9	21.0	20.9	21.0
		1	0	21.0	21.1	21.1	18.2	18.0	18.1	20.9	21.0	21.0	18.8	18.9	18.8
		1	1	21.0	21.2	21.1	18.2	18.1	18.0	20.9	20.9	20.8	19.0	18.8	18.9
		64	32	21.1	21.2	21.1	18.1	18.2	18.1	20.9	21.0	20.9	18.8	19.0	18.9
		128	0	21.0	21.1	21.0	18.1	18.0	18.0	20.9	20.8	20.9	18.9	18.8	18.8

OUTPUT POWER FOR 5G NR Band n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648666	656000	663333	648666	656000	663333	648666	656000	663333	648666	656000	663333
				3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0	3730.0	3840.0	3950.0
60.0	BPSK	1	0	22.1	22.3	21.3	18.2	19.1	18.5	22.0	22.5	21.6	19.7	19.8	19.1
		1	1	24.2	25.7	23.1	22.4	22.7	21.8	25.0	25.5	24.8	22.9	23.5	22.6
		81	40	23.5	24.2	23.7	21.9	22.4	21.5	24.9	25.0	24.5	22.9	22.9	22.2
		162	0	24.5	23.6	23.9	20.6	22.3	21.0	24.9	25.1	24.5	22.3	22.4	21.6
	QPSK	1	0	21.8	22.0	22.0	19.1	19.1	19.1	21.8	21.8	21.7	19.9	19.9	19.9
		1	1	25.5	25.7	25.5	22.4	22.4	22.4	25.4	25.4	25.1	23.3	23.4	23.4
		81	40	25.5	25.4	25.6	22.6	22.4	22.5	25.2	25.3	25.3	23.4	23.4	23.3
		162	0	24.6	24.5	24.6	21.6	21.7	21.4	24.4	24.3	24.3	22.4	22.2	22.5
	16QAM	1	0	22.2	22.0	22.1	19.2	19.1	19.0	21.8	21.8	21.8	20.0	20.0	20.0
		1	1	24.7	24.6	24.6	21.7	21.6	21.6	24.4	24.3	24.4	22.4	22.6	22.5
		81	40	24.5	24.6	24.6	21.6	21.6	21.6	24.5	24.4	24.4	22.5	22.4	22.4
		162	0	23.6	23.6	23.7	20.5	20.5	20.7	23.3	23.4	23.4	21.5	21.6	21.5
	64QAM	1	0	22.1	22.0	22.1	19.2	19.1	19.1	21.9	21.8	21.9	20.0	19.9	20.1
		1	1	23.1	23.2	23.2	20.0	20.0	20.1	22.9	22.9	22.8	20.9	21.0	21.0
		81	40	23.1	23.2	23.1	20.1	20.1	20.1	22.9	22.8	23.0	21.1	21.1	21.1
		162	0	23.1	23.1	23.1	20.1	20.2	20.1	23.0	22.9	23.0	21.0	21.0	21.0
	256QAM	1	0	21.0	21.1	21.1	18.2	18.0	18.1	20.9	21.0	20.8	19.0	19.1	19.1
		1	1	21.2	21.2	21.1	18.0	18.2	18.1	21.0	20.9	20.8	19.1	19.0	19.1
		81	40	21.2	21.2	21.2	18.0	18.1	18.0	21.0	20.9	20.8	19.0	19.0	18.9
		162	0	21.0	21.1	21.1	18.0	18.2	18.1	21.0	20.9	20.9	19.1	19.0	19.0

OUTPUT POWER FOR 5G NR Band n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				649333	656000	662666	649333	656000	662666	649333	656000	662666	649333	656000	662666
				3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0
80.0	BPSK	1	0	22.7	22.6	23.0	18.9	19.5	18.3	21.4	21.5	21.6	20.0	19.6	19.7
		1	1	25.3	25.7	25.2	22.0	21.9	21.7	24.0	24.5	25.5	23.1	23.0	23.1
		108	54	25.1	24.7	24.7	21.4	22.4	20.6	23.9	24.0	23.7	23.5	22.5	22.6
		216	0	23.7	25.0	24.7	22.7	21.9	20.5	23.8	24.0	23.3	22.6	22.6	22.2
	QPSK	1	0	22.0	22.2	22.1	19.1	19.2	19.0	21.8	22.0	21.8	19.7	19.7	19.7
		1	1	25.5	25.6	25.4	22.7	22.7	22.5	25.4	25.3	25.4	23.2	23.2	23.3
		108	54	25.3	25.5	25.5	22.7	22.5	22.7	25.3	25.4	25.4	23.2	23.2	23.3
		216	0	24.5	24.3	24.6	21.5	21.6	21.7	24.3	24.4	24.3	22.2	22.2	22.1
	16QAM	1	0	22.1	22.2	22.1	19.2	19.1	19.1	22.1	22.0	22.1	19.7	19.8	19.7
		1	1	24.7	24.7	24.6	21.7	21.7	21.8	24.5	24.4	24.5	22.4	22.2	22.3
		108	54	24.6	24.7	24.6	21.8	21.8	21.7	24.4	24.4	24.4	22.4	22.2	22.2
		216	0	23.6	23.6	23.6	20.7	20.7	20.7	23.4	23.5	23.6	21.3	21.4	21.4
	64QAM	1	0	22.2	22.0	22.1	19.1	19.3	19.2	21.9	22.0	21.9	19.8	19.8	19.7
		1	1	23.0	23.1	23.0	20.2	20.3	20.1	23.0	23.1	23.1	20.8	20.8	20.8
		108	54	23.0	23.2	23.0	20.3	20.2	20.2	23.0	23.1	23.0	20.8	20.8	20.7
		216	0	23.1	23.0	23.2	20.2	20.2	20.2	22.9	23.0	23.1	20.8	20.8	20.8
	256QAM	1	0	21.1	21.1	21.1	18.2	18.3	18.2	21.1	21.0	21.0	18.7	18.9	18.7
		1	1	21.2	21.0	21.1	18.2	18.1	18.1	21.1	20.9	21.0	18.8	18.8	18.7
		108	54	21.1	21.0	21.1	18.2	18.2	18.1	20.9	21.0	21.0	18.9	18.8	18.9
		216	0	21.0	21.0	21.2	18.1	18.2	18.2	21.1	21.0	20.9	18.8	18.8	18.8

OUTPUT POWER FOR 5G NR Band n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				649666	656000	662333	649666	656000	662333	649666	656000	662333	649666	656000	662333
				3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0
90.0	BPSK	1	0	22.6	23.6	23.2	18.9	18.5	18.5	20.2	22.4	21.9	19.1	19.4	19.7
		1	1	24.9	25.7	25.4	22.3	22.7	21.8	25.1	25.5	24.9	23.5	22.9	22.7
		120	60	25.3	24.9	25.0	22.1	21.7	21.2	24.5	24.8	24.5	22.8	22.6	22.3
		240	0	24.5	24.5	24.7	21.5	21.2	20.7	24.6	24.9	24.5	22.2	22.0	21.9
	QPSK	1	0	22.1	22.0	22.0	18.9	18.8	18.8	21.7	21.8	22.0	19.7	19.7	19.7
		1	1	25.6	25.5	25.5	22.4	22.5	22.5	25.1	25.4	25.4	23.3	23.2	23.3
		120	60	25.4	25.6	25.6	22.4	22.5	22.6	25.1	25.4	25.3	23.2	23.2	23.1
		240	0	24.6	24.5	24.5	21.4	21.5	21.5	24.2	24.3	24.3	22.2	22.3	22.1
	16QAM	1	0	22.1	22.1	22.1	19.1	19.1	19.2	21.9	22.0	21.9	19.7	19.8	19.8
		1	1	24.6	24.6	24.5	21.6	21.6	21.6	24.4	24.5	24.3	22.2	22.3	22.3
		120	60	24.6	24.6	24.6	21.6	21.6	21.6	24.5	24.4	24.5	22.2	22.3	22.4
		240	0	23.5	23.7	23.7	20.6	20.7	20.5	23.5	23.5	23.3	21.3	21.3	21.2
	64QAM	1	0	22.0	22.2	22.1	19.1	19.0	19.0	22.0	22.0	21.9	19.8	19.9	19.7
		1	1	23.1	23.2	23.0	20.0	20.1	20.1	22.8	22.9	22.9	20.8	20.8	20.8
		120	60	23.1	23.2	23.1	20.1	20.2	20.2	22.8	22.9	22.9	20.8	20.8	20.9
		240	0	23.0	23.2	23.1	20.2	20.1	20.2	22.9	22.9	22.8	20.7	20.8	20.8
	256QAM	1	0	21.1	21.2	21.0	18.1	18.1	18.1	20.9	20.9	20.9	18.8	18.9	18.8
		1	1	21.1	21.1	21.1	18.1	18.0	18.0	20.8	20.9	20.9	18.7	18.7	18.9
		120	60	21.2	21.1	21.1	18.0	18.1	18.0	21.0	21.0	20.9	18.8	18.8	18.9
		240	0	21.1	21.1	21.1	18.2	18.1	18.2	20.9	21.0	20.8	18.8	18.8	18.8

OUTPUT POWER FOR 5G NR Band n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
				3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0
100.0	BPSK	1	0	22.9	23.3	22.5	18.1	18.5	18.2	21.6	20.3	21.4	19.8	19.9	19.1
		1	1	24.8	25.7	24.6	22.1	22.7	21.2	25.0	25.5	24.4	22.9	23.3	23.5
		135	67	25.0	25.1	24.8	21.8	21.0	21.0	24.0	24.4	23.6	22.8	22.7	21.9
		270	0	24.0	24.6	24.7	21.3	20.8	20.6	24.0	24.3	23.9	22.1	22.3	21.8
	QPSK	1	0	22.2	22.2	22.0	18.9	19.0	19.0	21.7	21.7	21.9	19.8	19.9	19.8
		1	1	25.6	25.6	25.7	22.5	22.4	22.4	25.3	25.2	25.4	23.4	23.3	23.5
		135	67	25.6	25.6	25.6	22.5	22.4	22.5	25.3	25.1	25.4	23.4	23.4	23.4
		270	0	24.6	24.7	24.6	21.3	21.5	21.6	24.3	24.4	24.2	22.3	22.4	22.3
	16QAM	1	0	22.2	22.2	22.2	19.1	19.2	19.0	21.8	21.9	21.8	19.9	20.1	20.1
		1	1	24.7	24.6	24.8	21.7	21.7	21.6	24.5	24.4	24.4	22.5	22.5	22.5
		135	67	24.7	24.8	24.7	21.6	21.5	21.6	24.4	24.4	24.4	22.6	22.4	22.5
		270	0	23.7	23.8	23.7	20.6	20.5	20.6	23.5	23.3	23.4	21.5	21.5	21.4
	64QAM	1	0	22.2	22.3	22.3	19.1	19.2	19.1	21.8	21.9	21.9	19.9	20.1	20.0
		1	1	23.2	23.2	23.3	20.1	20.2	20.1	22.9	22.9	23.0	21.0	20.9	20.9
		135	67	23.3	23.2	23.2	20.0	20.2	20.1	22.8	22.9	22.9	21.0	21.0	21.0
		270	0	23.2	23.2	23.3	20.1	20.1	20.1	22.9	22.8	22.9	21.0	21.0	21.0
	256QAM	1	0	21.3	21.3	21.2	18.0	18.0	18.1	21.0	20.9	20.8	19.1	19.0	18.9
		1	1	21.3	21.1	21.2	18.2	18.1	18.2	20.9	20.9	20.9	19.0	19.0	19.0
		135	67	21.2	21.2	21.3	18.1	18.2	18.0	20.9	20.8	20.9	19.0	19.1	19.0
		270	0	21.3	21.3	21.2	18.2	18.1	18.1	20.9	20.9	21.0	18.9	18.9	18.9

8. CONDUCTED TEST RESULTS

8.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the middle channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

RESULTS

There is no limit required and power is the same for low, middle and high channel; therefore, only middle channel was tested. Only QPSK plots are reported to show setting parameter complies with testing method/procedure.

LTE BAND 2

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 2	1.4MHz, QPSK	6/0	1880.0	1.0846	1.208
	1.4MHz, 16QAM			1.0821	1.232
	3MHz, QPSK	15/0		2.6845	2.968
	3MHz, 16QAM			2.6829	2.98
	5MHz, QPSK	25/0		4.5082	4.953
	5MHz, 16QAM			4.4982	4.9
	10MHz, QPSK	50/0		8.9349	9.608
	10MHz, 16QAM			8.9779	9.645
	15MHz, QPSK	75/0		13.4102	14.371
	15MHz, 16QAM			13.3809	14.483
	20MHz, QPSK	100/0		17.8387	19.106
	20MHz, 16QAM			17.8585	19.209
	20MHz, QPSK	1/0		0.32475	0.563

LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 5	1.4MHz, QPSK	6/0	836.5	1.0803	1.223
	1.4MHz, 16QAM			1.0857	1.219
	3MHz, QPSK	15/0		2.6831	2.967
	3MHz, 16QAM			2.6866	2.991
	5MHz, QPSK	25/0		4.5043	4.927
	5MHz, 16QAM			4.4934	4.86
	10MHz, QPSK	50/0		8.9439	9.605
	10MHz, 16QAM			8.9707	9.631
	10MHz, QPSK	1/0		0.27316	0.4557

5G NR Band n5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR Band n5	15MHz, BPSK	25/0	836.5	13.442	14.16
	15MHz, QPSK			13.475	14.35
	15MHz, 16QAM			13.467	14.37
	20MHz, BPSK	50/0		17.862	19.99
	20MHz, QPSK			17.884	18.85
	20MHz, 16QAM			17.856	18.83
	20MHz, QPSK	1/0		0.4148	0.613

LTE BAND 7

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 7	5MHz, QPSK	25/0	2535.0	4.4939	4.913
	5MHz, 16QAM			4.5028	4.968
	10MHz, QPSK	50/0		8.9745	9.695
	10MHz, 16QAM			8.947	9.735
	15MHz, QPSK	75/0		13.401	14.407
	15MHz, 16QAM			13.409	14.478
	20MHz, QPSK	100/0		17.8035	19.18
	20MHz, 16QAM			17.84	19.253
	20MHz, QPSK	1/0		0.3156	0.5434

LTE BAND 12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 12	1.4MHz, QPSK	6/0	707.5	1.0788	1.22
	1.4MHz, 16QAM			1.0823	1.218
	3MHz, QPSK	15/0		2.6849	2.981
	3MHz, 16QAM			2.6857	2.983
	5MHz, QPSK	25/0		4.4898	4.905
	5MHz, 16QAM			4.4851	4.924
	10MHz, QPSK	50/0		8.9319	9.663
	10MHz, 16QAM			8.9462	9.673
	10MHz, QPSK	1/0		0.26835	0.4869

5G NR Band n12

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR Band n12	15MHz, BPSK	75/0	707.5	13.453	14.35
	15MHz, QPSK			13.453	14.35
	15MHz, 16QAM			13.488	14.34
	15MHz, QPSK	1/0		0.5415	0.911

LTE BAND 13

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 13	5MHz, QPSK	25/0	782.0	4.4873	4.93
	5MHz, 16QAM			4.4942	4.909
	10MHz, QPSK	50/0		8.9396	9.57
	10MHz, 16QAM			8.9179	9.613
	10MHz, QPSK	1/0		0.28617	0.4752

LTE BAND 14

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 14	5MHz, QPSK	25/0	793.0	4.4893	4.915
	5MHz, 16QAM			4.4915	4.832
	10MHz, QPSK	50/0		8.9572	9.737
	10MHz, 16QAM			8.9855	9.686
	10MHz, QPSK	1/0		0.28282	0.4534

LTE BAND 17

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 17	5MHz, QPSK	25/0	710.0	4.4958	4.887
	5MHz, 16QAM			4.4874	4.908
	10MHz, QPSK	50/0		8.935	9.721
	10MHz, 16QAM			8.945	9.555
	10MHz, QPSK	1/0		0.27305	0.4587

LTE BAND 25

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 25	1.4MHz, QPSK	6/0	1882.5	1.0805	1.221
	1.4MHz, 16QAM			1.0869	1.227
	3MHz, QPSK	15/0		2.9622	2.956
	3MHz, 16QAM			2.6858	2.972
	5MHz, QPSK	25/0		4.4937	4.926
	5MHz, 16QAM			4.4907	4.908
	10MHz, QPSK	50/0		8.948	9.617
	10MHz, 16QAM			8.9403	9.652
	15MHz, QPSK	75/0		13.4289	14.348
	15MHz, 16QAM			13.4119	14.549
	20MHz, QPSK	100/0		17.8546	19.227
	20MHz, 16QAM			17.8617	19.187
	20MHz, QPSK	1/0		0.31074	0.5544

LTE BAND 26 (PART 90S)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	836.5	1.0938	1.232
	1.4MHz, 16QAM			1.0834	1.217
	3MHz, QPSK	15/0		2.6870	2.979
	3MHz, 16QAM			2.6802	2.942
	5MHz, QPSK	25/0		4.4913	4.971
	5MHz, 16QAM			4.4932	4.927
	10MHz, QPSK	50/0		8.9463	9.732
	10MHz, 16QAM			8.9318	4.358
	15MHz, QPSK	1/0		0.27737	0.45319

LTE BAND 30

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 30	5MHz, QPSK	25/0	2310.0	4.4999	4.869
	5MHz, 16QAM			4.4878	4.92
	10MHz, QPSK	50/0		8.9399	9.653
	10MHz, 16QAM			8.9185	9.581
	10MHz, QPSK	1/0		0.27255	0.4689

LTE BAND 41

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 41	5MHz, QPSK	25/0	2593.0	4.4959	4.841
	5MHz, 16QAM			4.495	4.967
	10MHz, QPSK	50/0		8.931	9.633
	10MHz, 16QAM			8.9236	9.806
	15MHz, QPSK	75/0		13.4101	14.326
	15MHz, 16QAM			13.4285	14.58
	20MHz, QPSK	100/0		17.8598	18.718
	20MHz, 16QAM			17.8629	19.111
	20MHz, QPSK	1/0		0.39584	0.6247

5G NR Band n41

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR Band n41	20MHz, BPSK	50/0	2593.0	17.882	19.35
	20MHz, QPSK			17.888	19.28
	20MHz, 16QAM			17.882	19.38
	40MHz, BPSK	100/0		35.591	37.06
	40MHz, QPSK			35.576	37.12
	40MHz, 16QAM			35.629	37.23
	50MHz, BPSK	128/0		45.514	46.86
	50MHz, QPSK			45.417	47.21
	50MHz, 16QAM			45.516	47.15
	60MHz, BPSK	162/0		57.773	59.85
	60MHz, QPSK			57.732	59.88
	60MHz, 16QAM			57.661	59.73
	80MHz, BPSK	216/0		76.908	79.55
	80MHz, QPSK			76.887	79.66
	80MHz, 16QAM			76.993	79.49
	90MHz, BPSK	240/0		85.293	88.36
	90MHz, QPSK			85.357	88.51
	90MHz, 16QAM			85.422	88.45
	100MHz, BPSK	270/0		95.826	99.34
	100MHz, QPSK			96.170	99.41
	100MHz, 16QAM			96.077	99.23
	100MHz, QPSK	1/0		0.51102	0.832

LTE BAND 48

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 48	5MHz, QPSK	25/0	3625.0	4.4841	4.886
	5MHz, 16QAM			4.4688	4.948
	10MHz, QPSK	50/0		8.9475	9.793
	10MHz, 16QAM			8.9578	9.640
	15MHz, QPSK	75/0		13.4290	14.473
	15MHz, 16QAM			13.3738	14.385
	20MHz, QPSK	100/0		17.8453	18.834
	20MHz, 16QAM			17.8794	19.207
	20MHz, QPSK	1/0		0.31219	0.5345

LTE BAND 66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 66	1.4MHz, QPSK	6/0	1745.0	1.0834	1.22
	1.4MHz, 16QAM			1.084	1.221
	3MHz, QPSK	15/0		2.6792	2.943
	3MHz, 16QAM			2.6857	2.99
	5MHz, QPSK	25/0		4.4989	4.871
	5MHz, 16QAM			4.4887	4.871
	10MHz, QPSK	50/0		8.9728	9.581
	10MHz, 16QAM			8.9473	9.692
	15MHz, QPSK	75/0		13.4262	14.395
	15MHz, 16QAM			13.4148	14.395
	20MHz, QPSK	100/0		17.8731	19.341
	20MHz, 16QAM			17.8624	19.211
	20MHz, QPSK	1/0		0.32314	0.5776

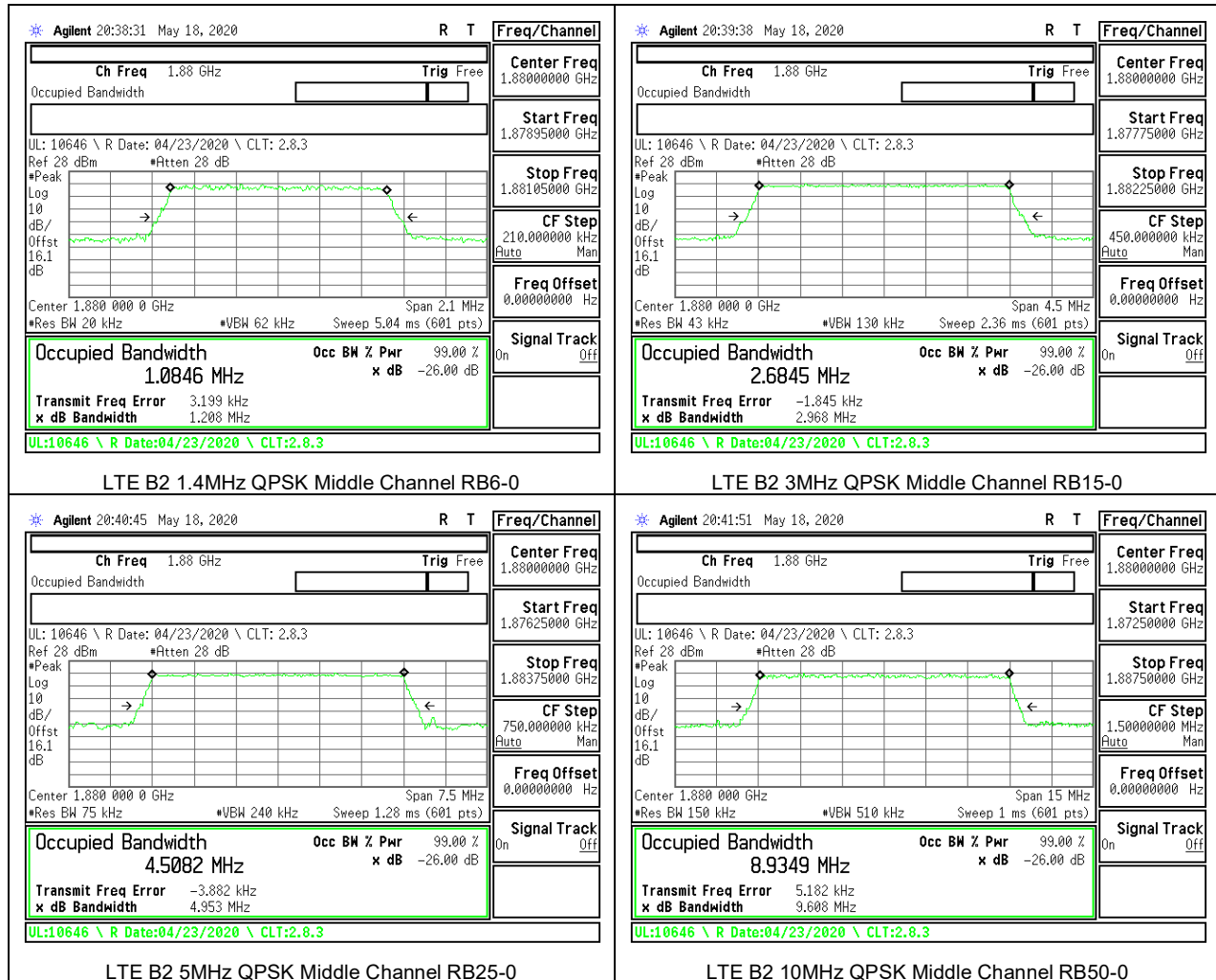
LTE BAND 71

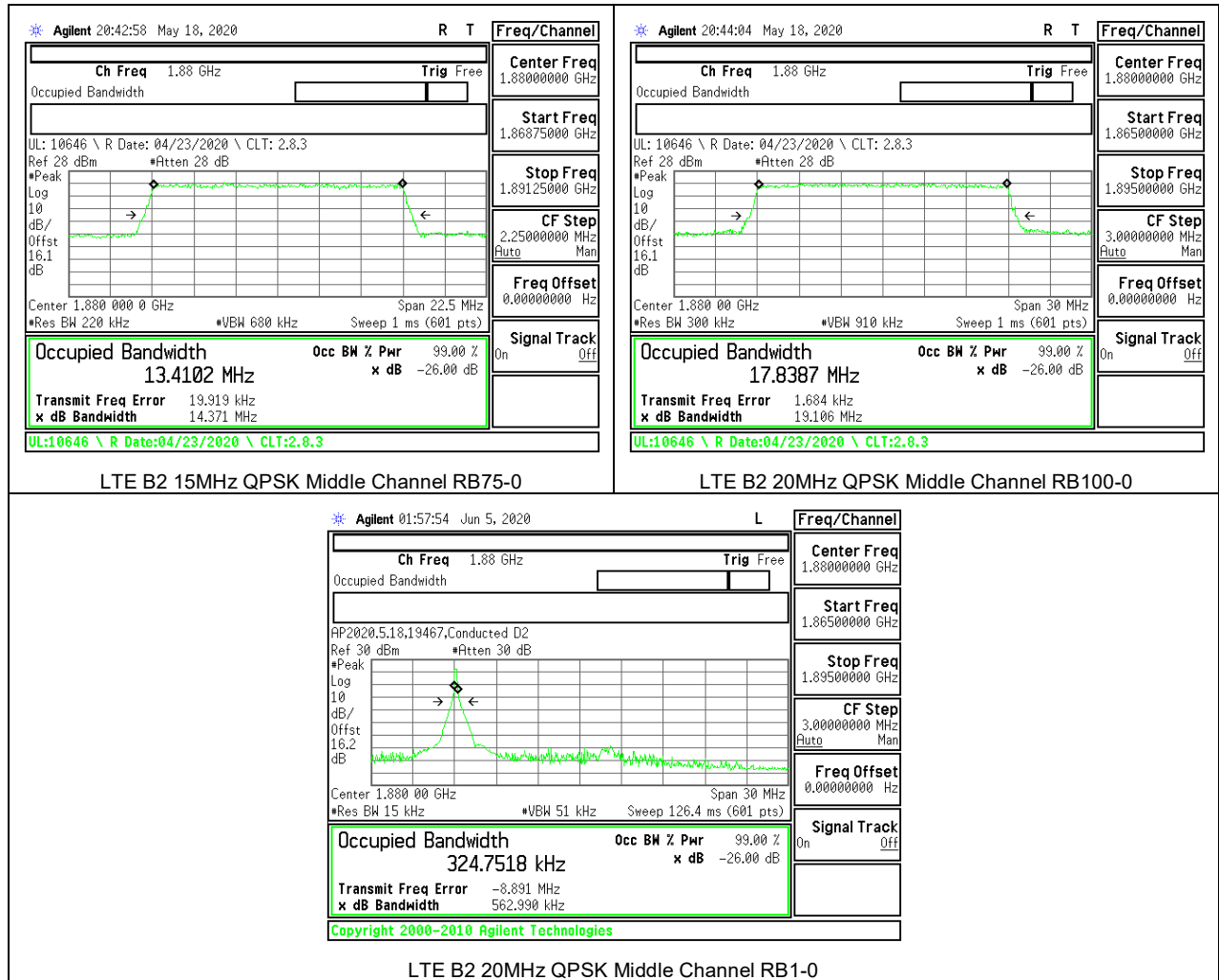
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 71	5MHz, QPSK	25/0	680.5 (5/15MHz) 683 (10/20MHz)	4.4939	4.887
	5MHz, 16QAM			4.4872	4.887
	10MHz, QPSK	50/0		8.9624	9.814
	10MHz, 16QAM			8.9412	9.696
	15MHz, QPSK	75/0		13.4409	14.535
	15MHz, 16QAM			13.4352	14.613
	20MHz, QPSK	100/0		17.8519	19.069
	20MHz, 16QAM			17.8732	19.282
	20MHz, QPSK	1/0		0.31035	0.5471

5G NR Band n77

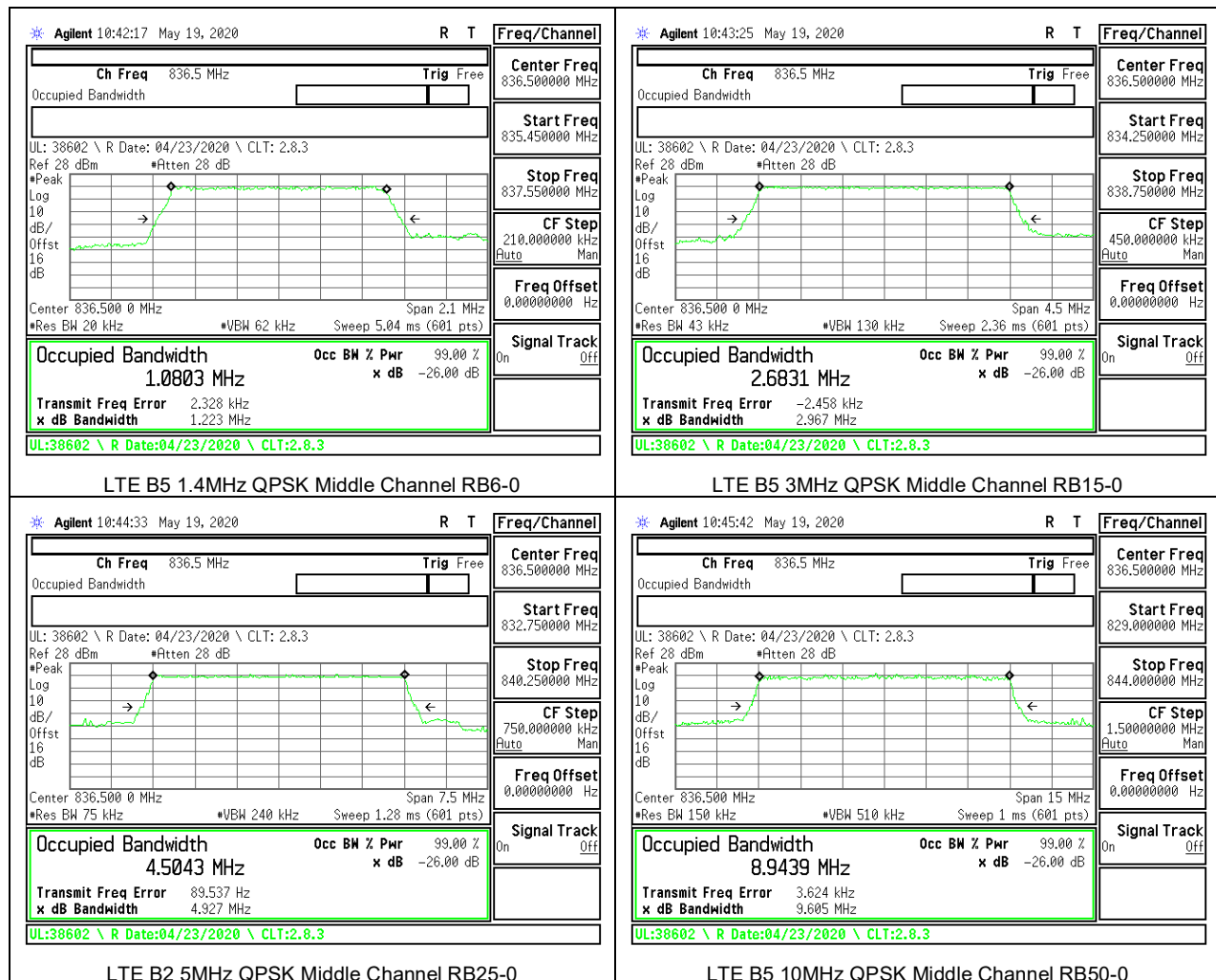
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR Band n77	20MHz, BPSK	50/0	3840.0	17.827	18.88
	20MHz, QPSK			17.864	18.59
	20MHz, 16QAM			17.878	18.54
	40MHz, BPSK	100/0		35.837	38.05
	40MHz, QPSK			35.805	38.16
	40MHz, 16QAM			35.749	38.10
	50MHz, BPSK	128/0		45.608	48.11
	50MHz, QPSK			45.767	48.26
	50MHz, 16QAM			45.666	48.15
	60MHz, BPSK	162/0		57.592	60.43
	60MHz, QPSK			57.701	60.59
	60MHz, 16QAM			57.725	60.55
	80MHz, BPSK	216/0		76.936	79.94
	80MHz, QPSK			77.089	79.96
	80MHz, 16QAM			77.041	79.95
	90MHz, BPSK	240/0		85.508	88.58
	90MHz, QPSK			85.639	88.65
	90MHz, 16QAM			85.558	88.55
	100MHz, BPSK	270/0		96.168	99.40
	100MHz, QPSK			96.249	99.54
	100MHz, 16QAM			96.385	99.45
		100MHz, QPSK		1/0	

8.1.1. LTE BAND 2





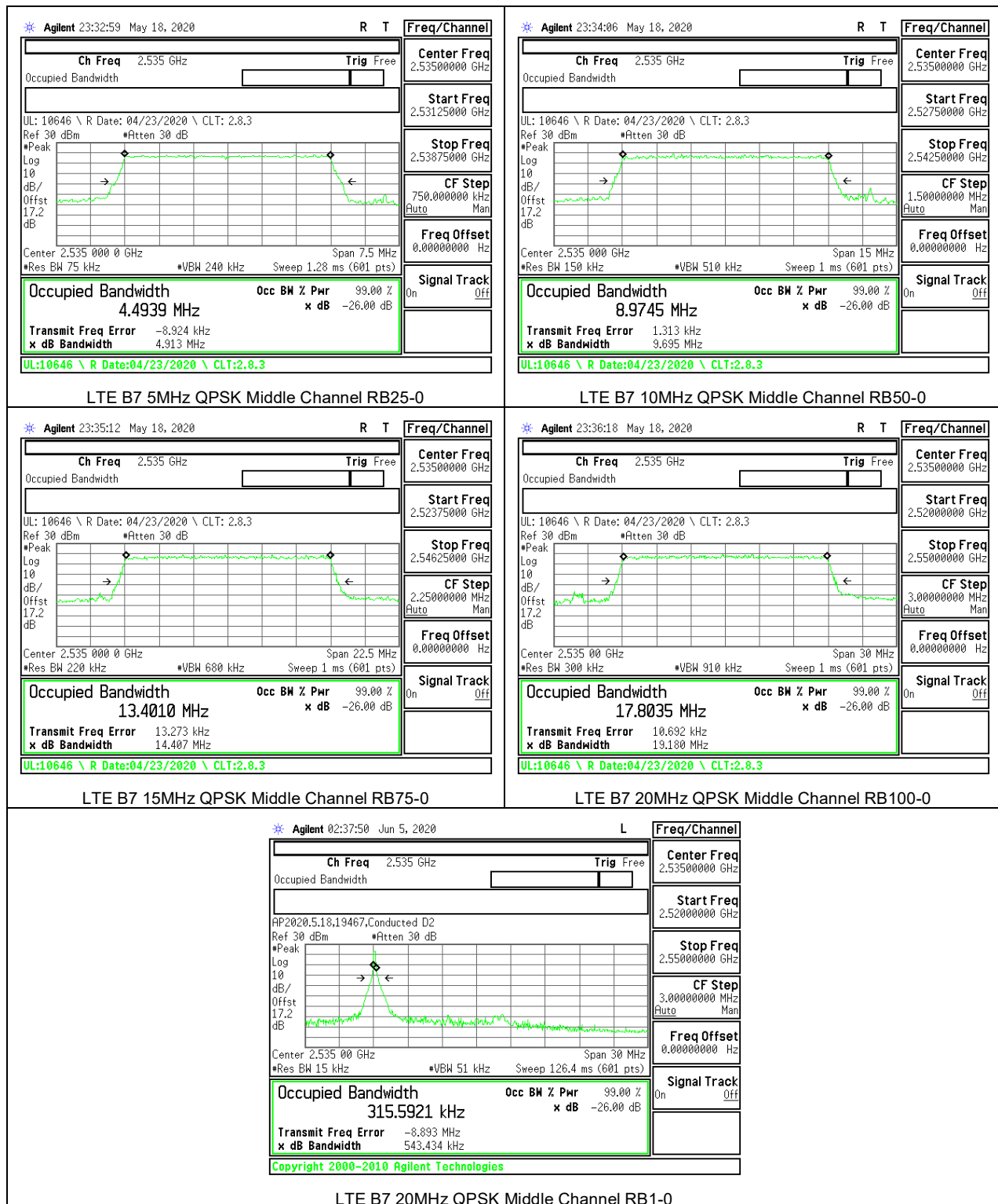
8.1.2. LTE BAND 5



8.1.3. 5G NR Band n5



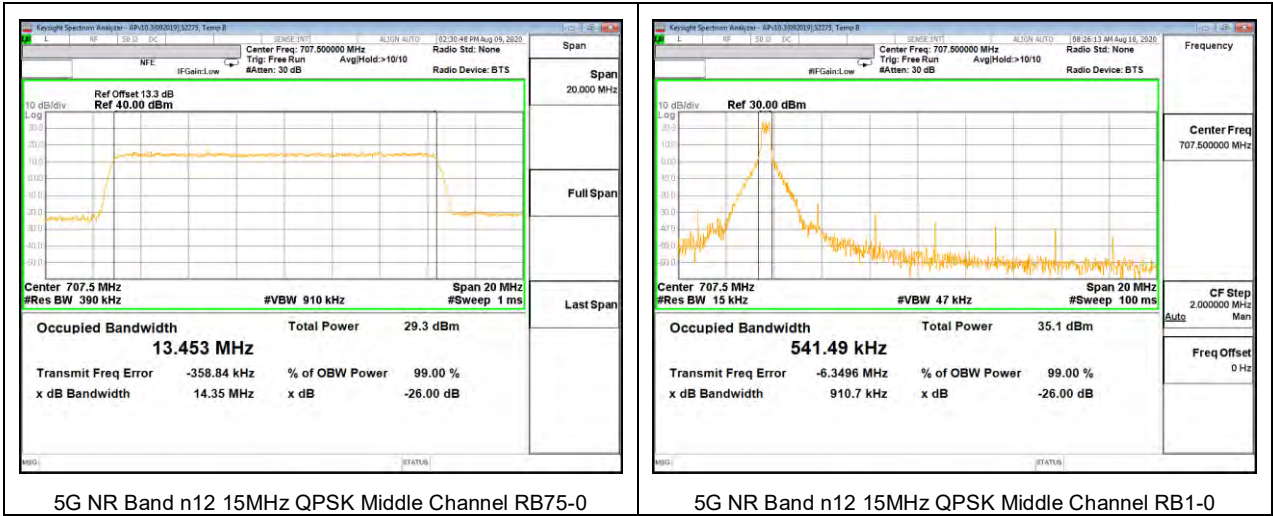
8.1.4. LTE BAND 7



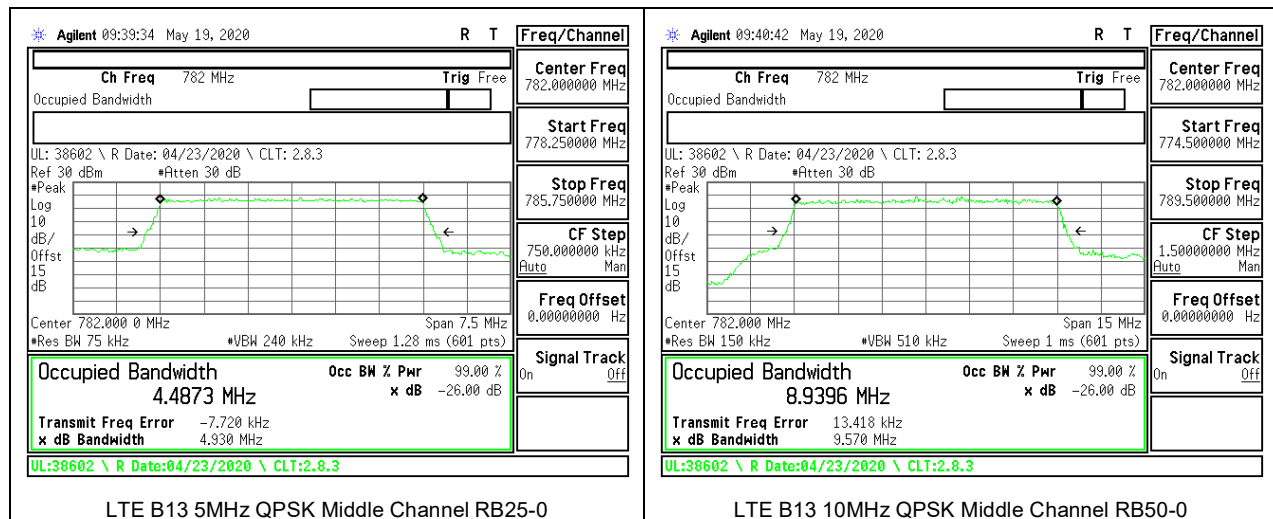
8.1.5. LTE BAND 12



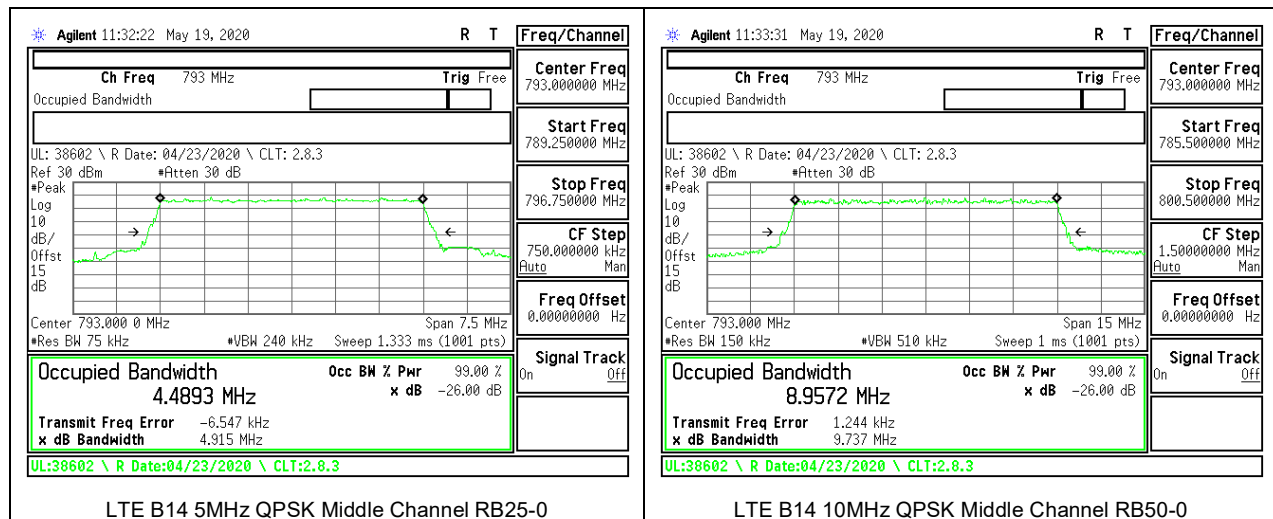
8.1.6. 5G NR Band n12



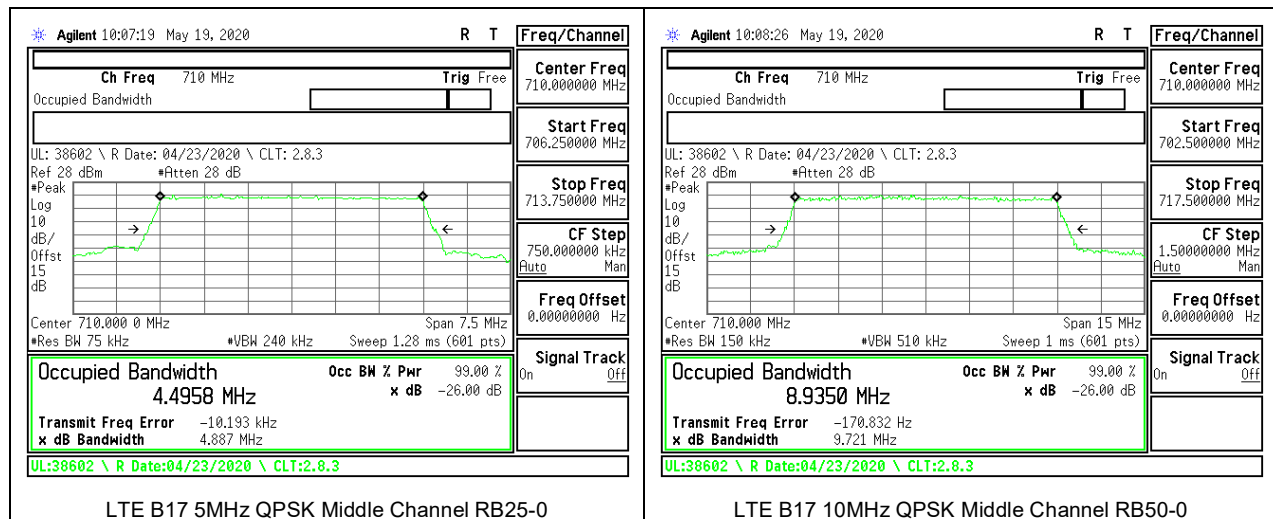
8.1.7. LTE BAND 13



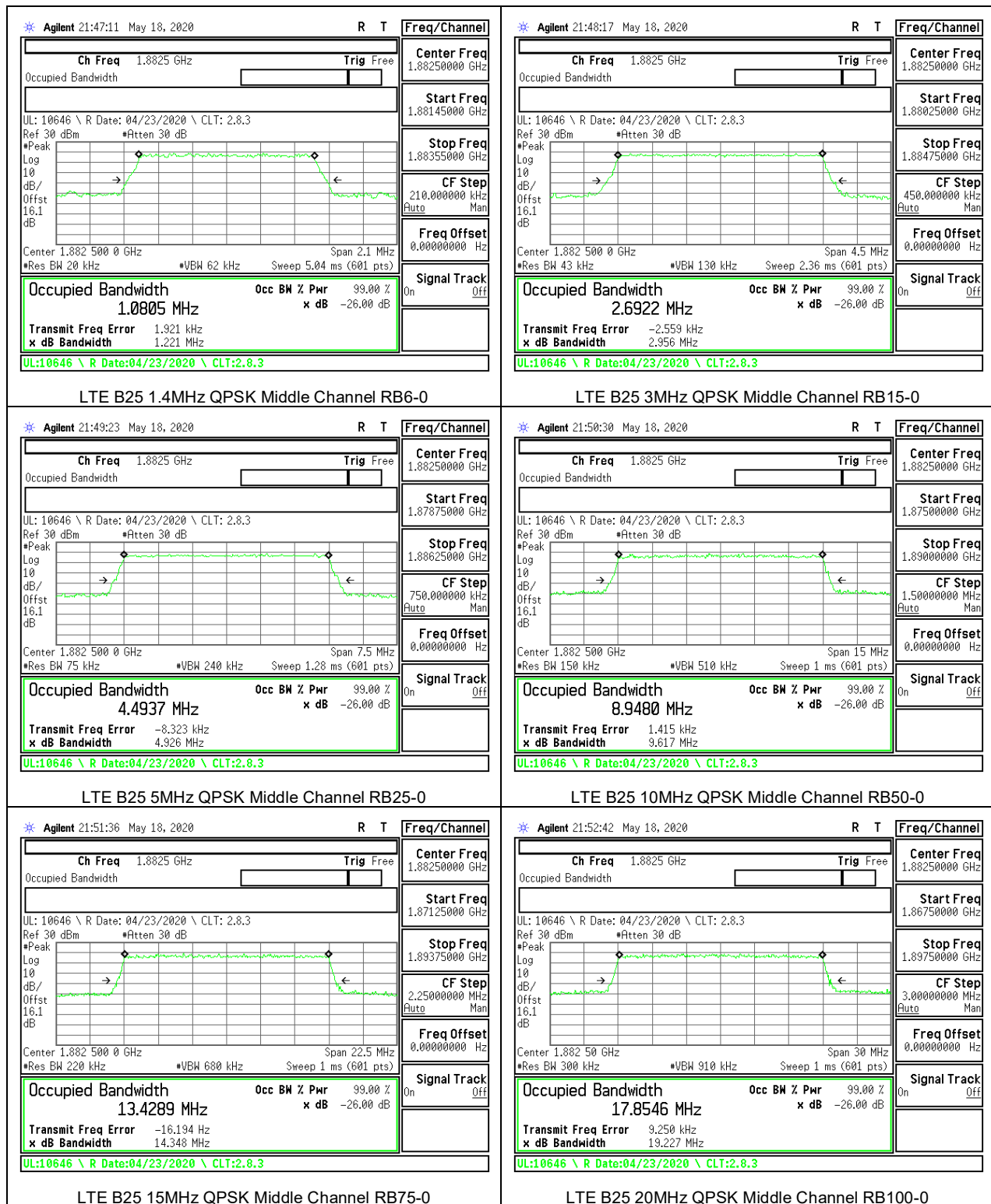
8.1.8. LTE BAND 14



8.1.9. LTE BAND 17



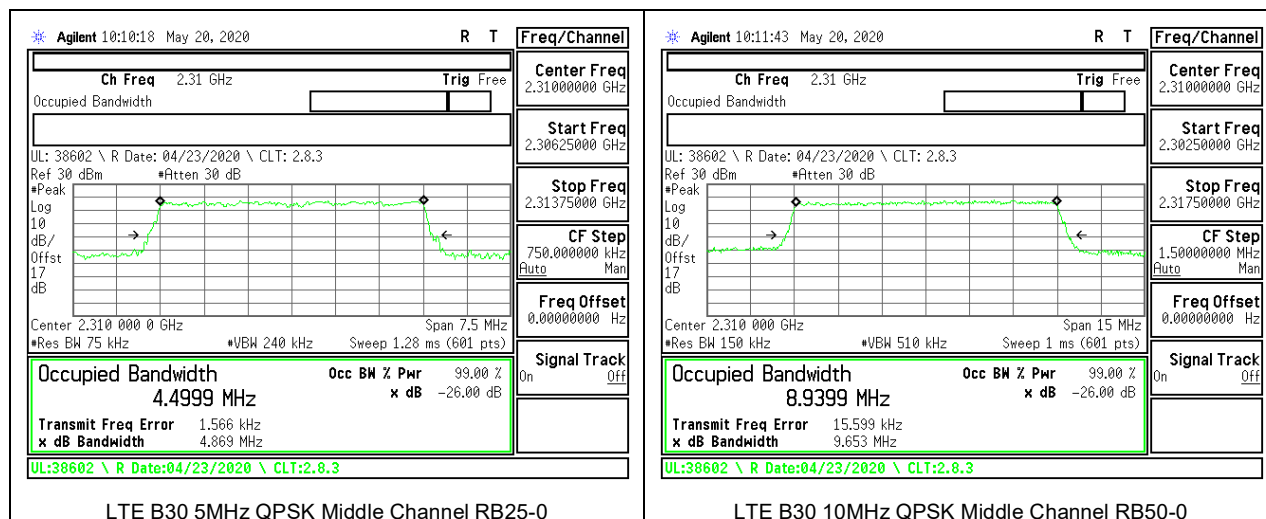
8.1.10. LTE BAND 25



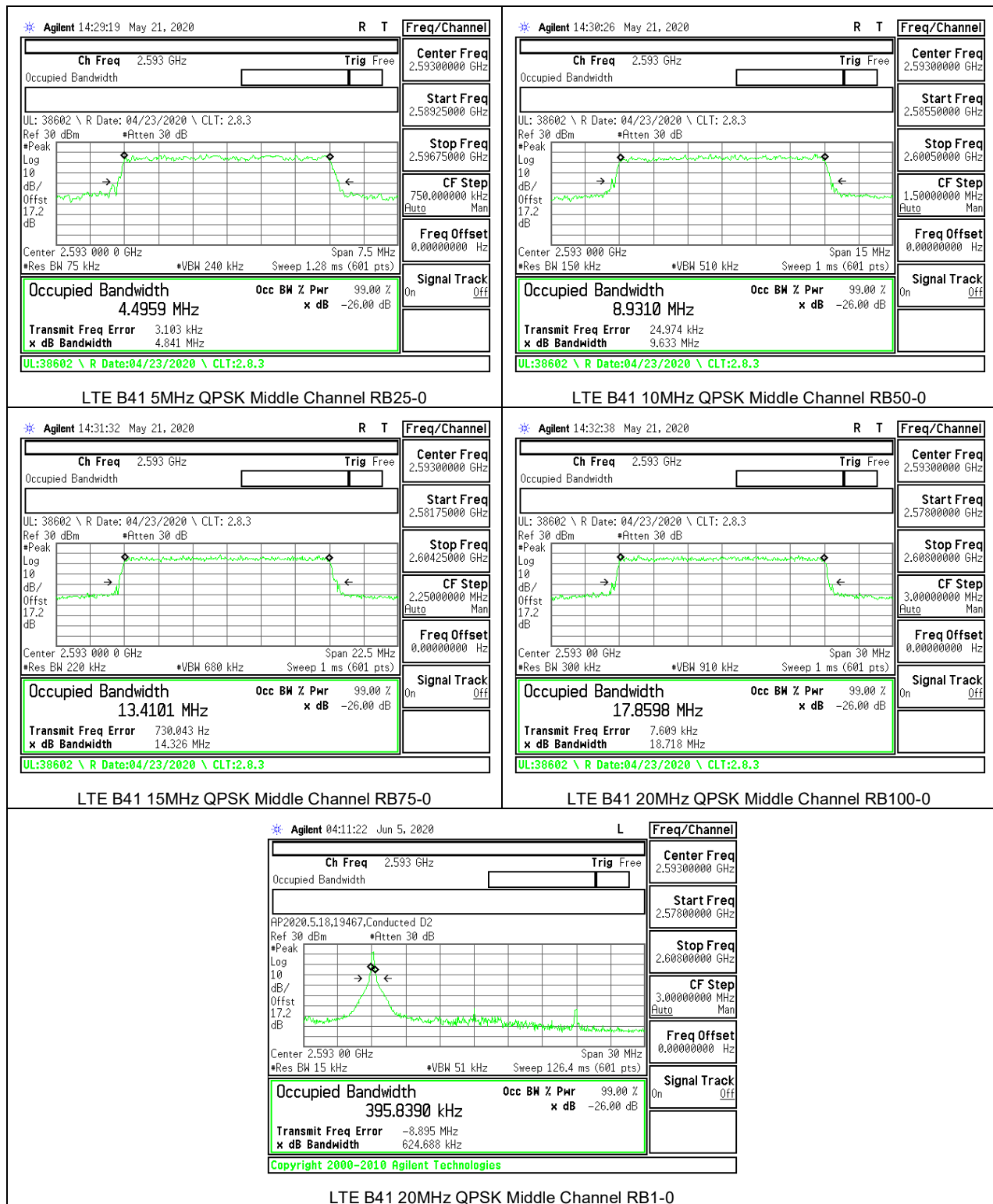
8.1.11. LTE BAND 26 (PART 90S)



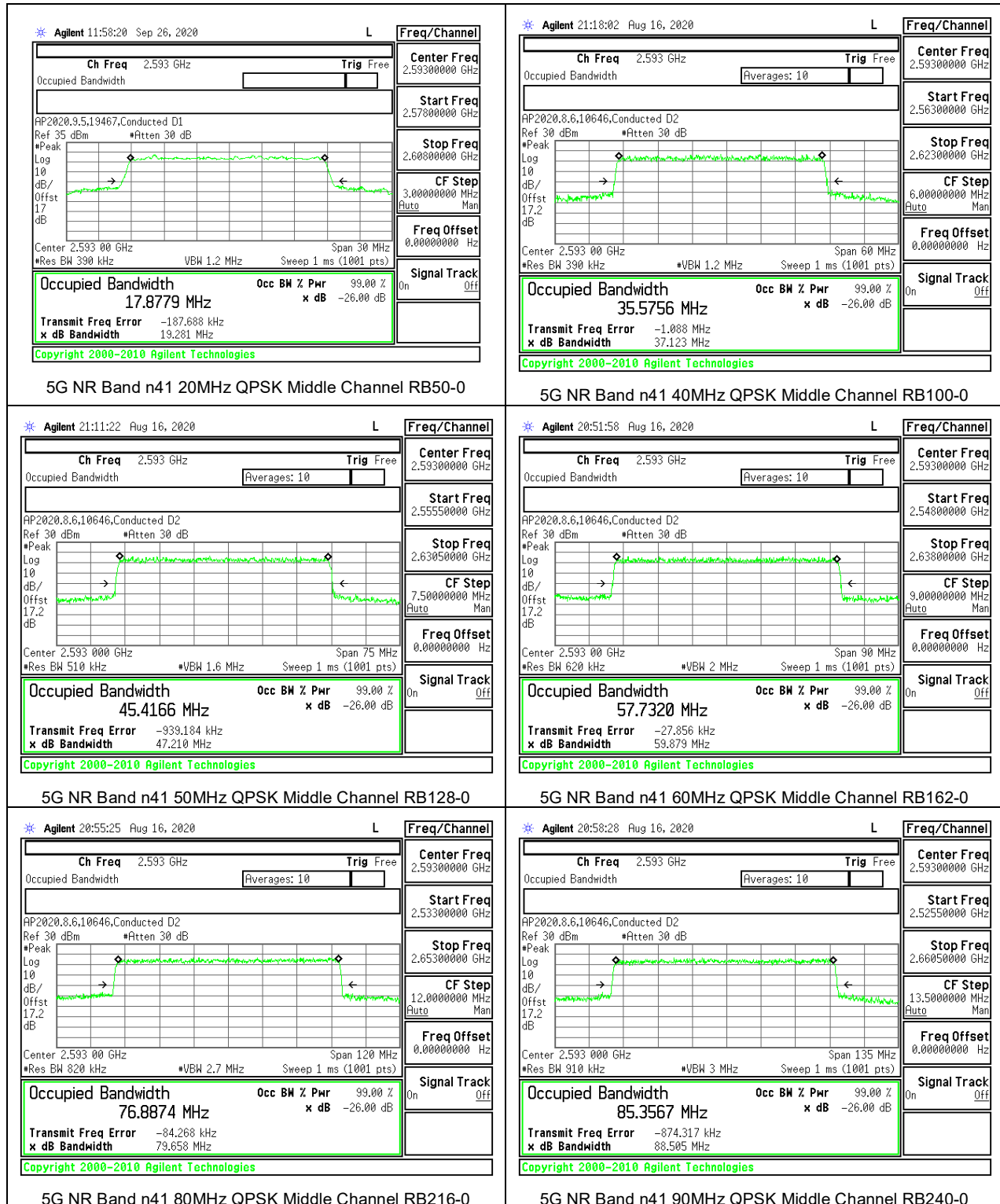
8.1.12. LTE BAND 30

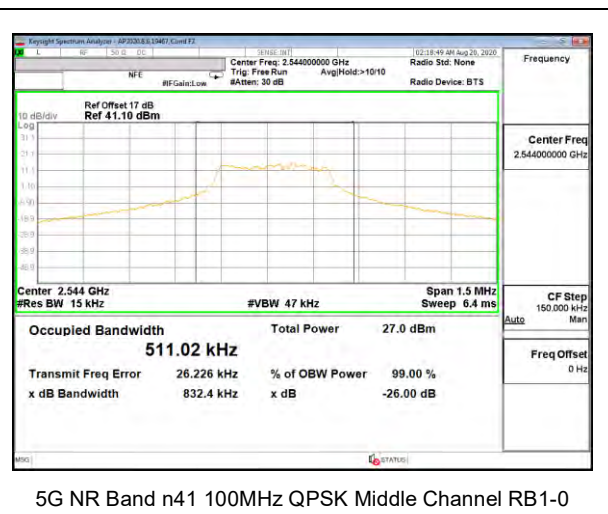
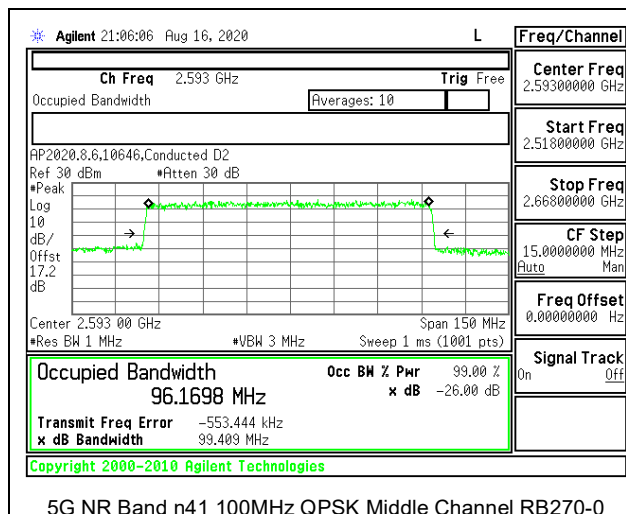


8.1.13. LTE BAND 41



8.1.14. 5G NR Band n41



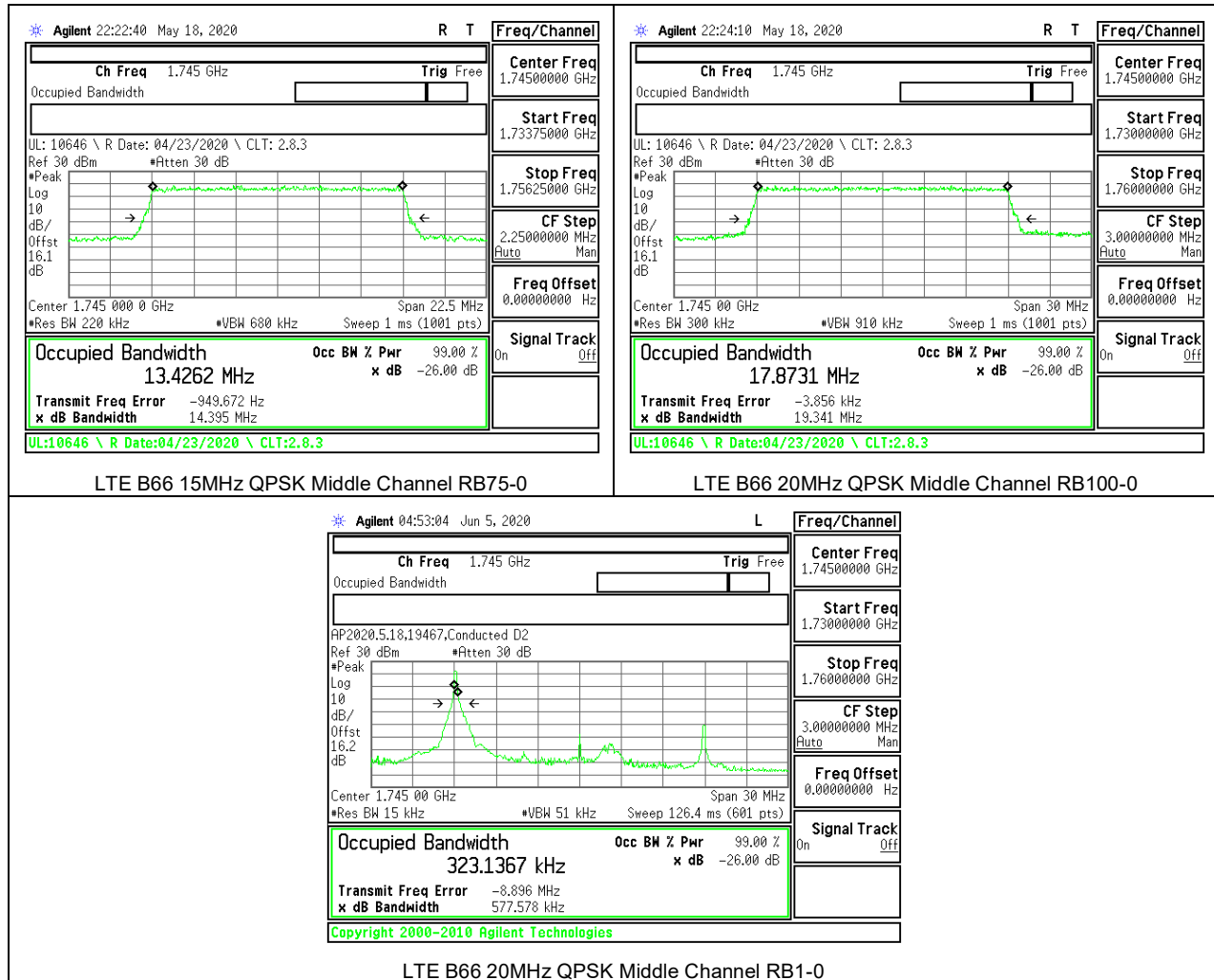


8.1.15. LTE BAND 48



8.1.16. LTE BAND 66

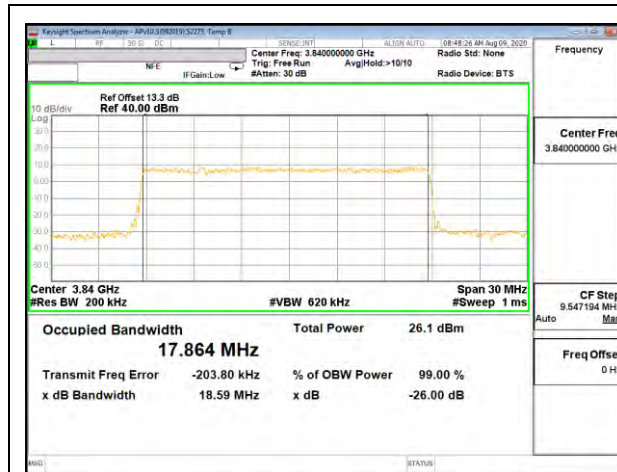




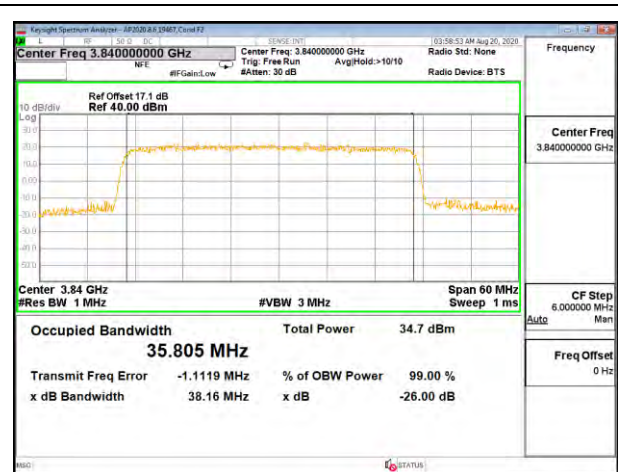
8.1.17. LTE BAND 71



8.1.18. 5G NR Band n77



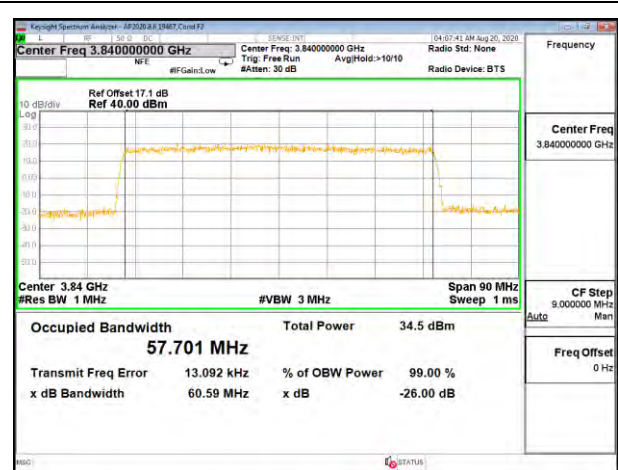
5G NR Band n77 20MHz QPSK Middle Channel RB50-0



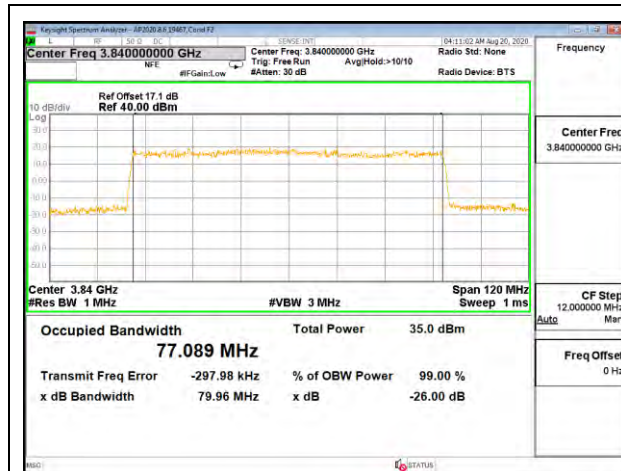
5G NR Band n77 40MHz QPSK Middle Channel RB100-0



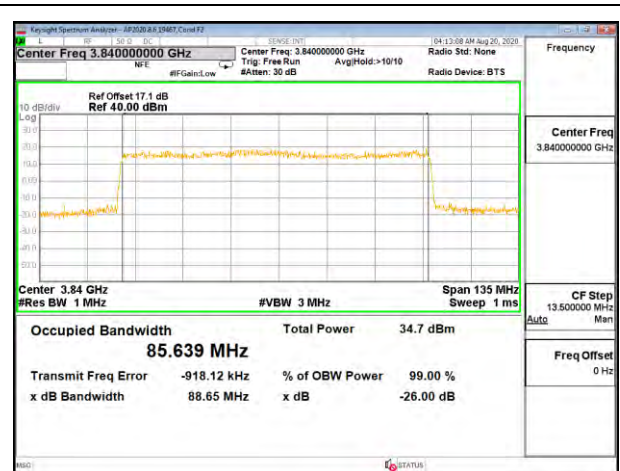
5G NR Band n77 50MHz QPSK Middle Channel RB128-0



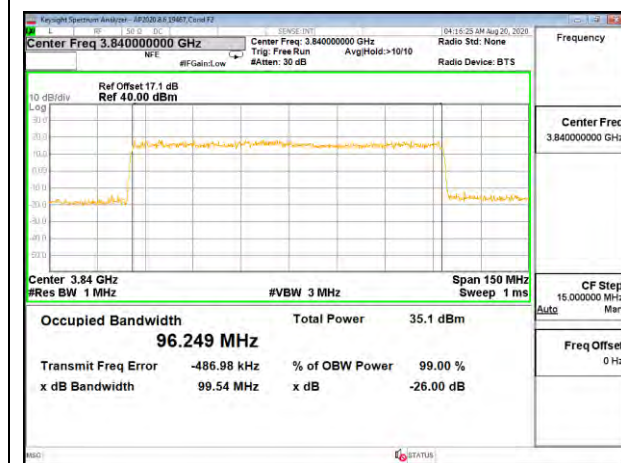
5G NR Band n77 60MHz QPSK Middle Channel RB162-0



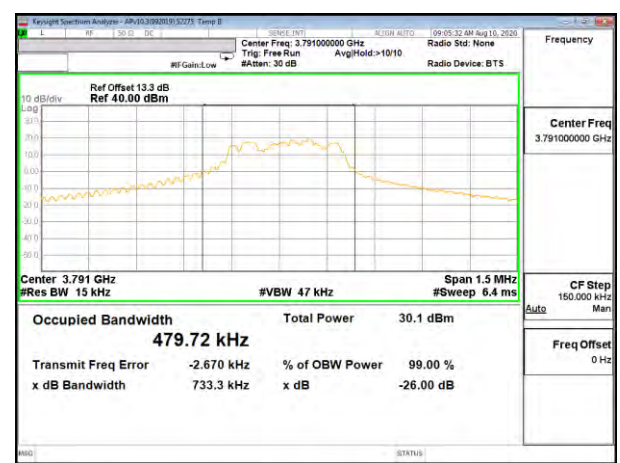
5G NR Band n77 80MHz QPSK Middle Channel RB216-0



5G NR Band n77 90MHz QPSK Middle Channel RB240-0



5G NR Band n77 100MHz QPSK Middle Channel RB270-0



5G NR Band n77 100MHz QPSK Middle Channel RB1-0

8.2. BAND EDGE AND EMISSION MASK

TEST PROCEDURE

The transmitter output was connected to a CMW500Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

1. Set the spectrum analyzer span to include the block edge frequency.
2. Set a marker to point the corresponding band edge frequency in each test case.
3. Set display line at -13 dBm
4. Set resolution bandwidth to at least 1% of emission bandwidth.

TEST PROCEDURE (FCC LTE BAND 14)

(b)ACP measurement procedure. The following are the procedures for making the transmitter ACP measurements. For all measurements modulate the transmitter as it would be modulated in normal operating conditions. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during time slots when the transmitter is active. All measurements are made at the transmitter's output port. If a transmitter has an integral antenna, a suitable power coupling device shall be used to couple the RF signal to the measurement instrument. The coupling device shall substantially maintain the proper transmitter load impedance. The ACP measurements may be made with a spectrum analyzer capable of making direct ACP measurements. "Measurement bandwidth", as used for non-swept measurements, implies an instrument that measures the power in many narrow bandwidths equal to the nominal resolution bandwidth and integrates these powers to determine the total power in the specified measurement bandwidth.

(1)Setting reference level. Set transmitter to maximum output power. Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth to the channel size. For example, for a 6.25 kHz transmitter set the measurement bandwidth to 6.25 kHz. Set the frequency offset of the measurement bandwidth to zero and adjust the center frequency of the instrument to the assigned center frequency to measure the average power level of the transmitter. Record this power level in dBm as the "reference power level."

(2)Non-swept power measurement. Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth and frequency offset from the assigned center frequency as shown in the tables in §90.543 (a) above. Any value of resolution bandwidth may be used as long as it does not exceed 2 percent of the specified measurement bandwidth. Measure the power level in dBm. These measurements should be made at maximum power. Calculate ACP by subtracting the reference power level measured in (b)(1) from the measurements made in this step. The absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above.

(3)Swept power measurement. Set a spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz video bandwidth and average, sample, or RMS detection. Set the reference level of the spectrum analyzer to the RMS value of the transmitter power. Sweep above and below the carrier frequency to the limits defined in the tables. Calculate ACP by subtracting the reference power level measured in (b)(1) from the measurements made in this step. The absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above.

TEST PROCEDURE (FCC LTE BAND 7, 41)

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may

be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

TEST PROCEDURE (FCC LTE BAND 30)

(5) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

TEST PROCEDURE (FCC LTE BAND 48)

(i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, a resolution bandwidth of no less than one percent of the fundamental emission bandwidth may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full reference bandwidth (i.e., 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(ii) When measuring unwanted emissions to demonstrate compliance with the limits, the CBSD and End User Device nominal carrier frequency/channel shall be adjusted as close to the licensee's authorized frequency block edges, both upper and lower, as the design permits.

(iii) Compliance with emission limits shall be demonstrated using either average (RMS)-detected or peak-detected power measurement techniques.

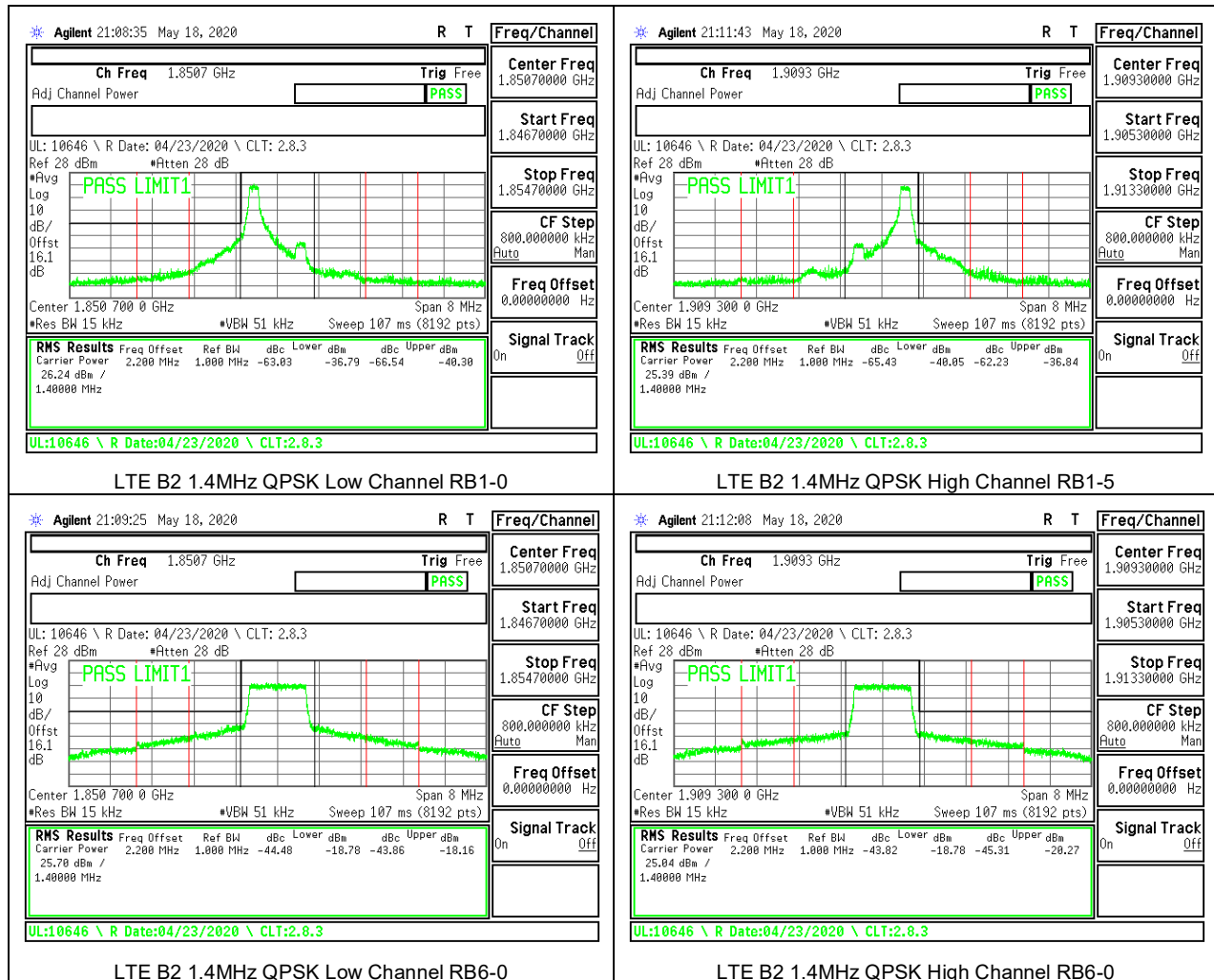
RESULTS

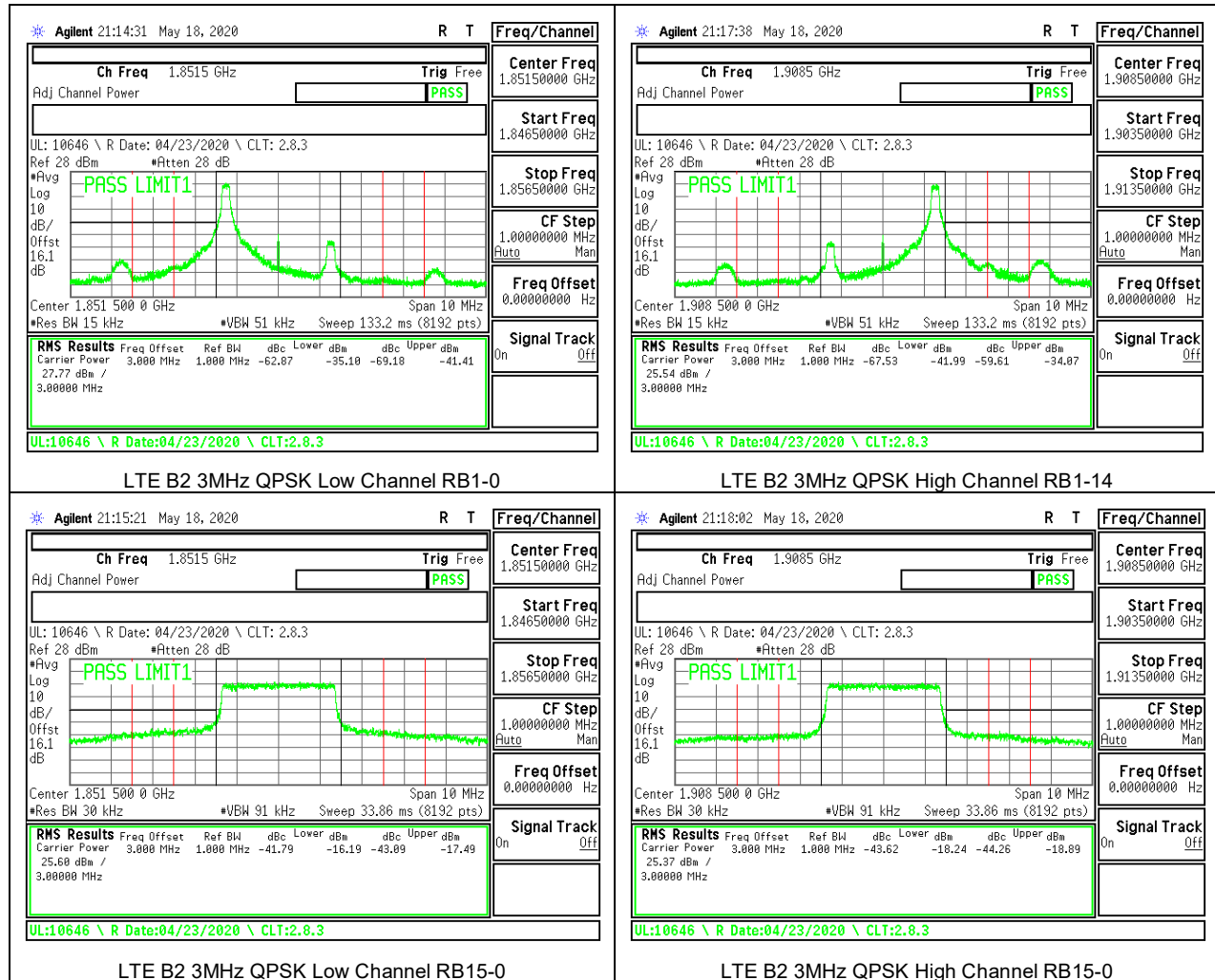
8.2.1. LTE BAND 2 BANDEDGE

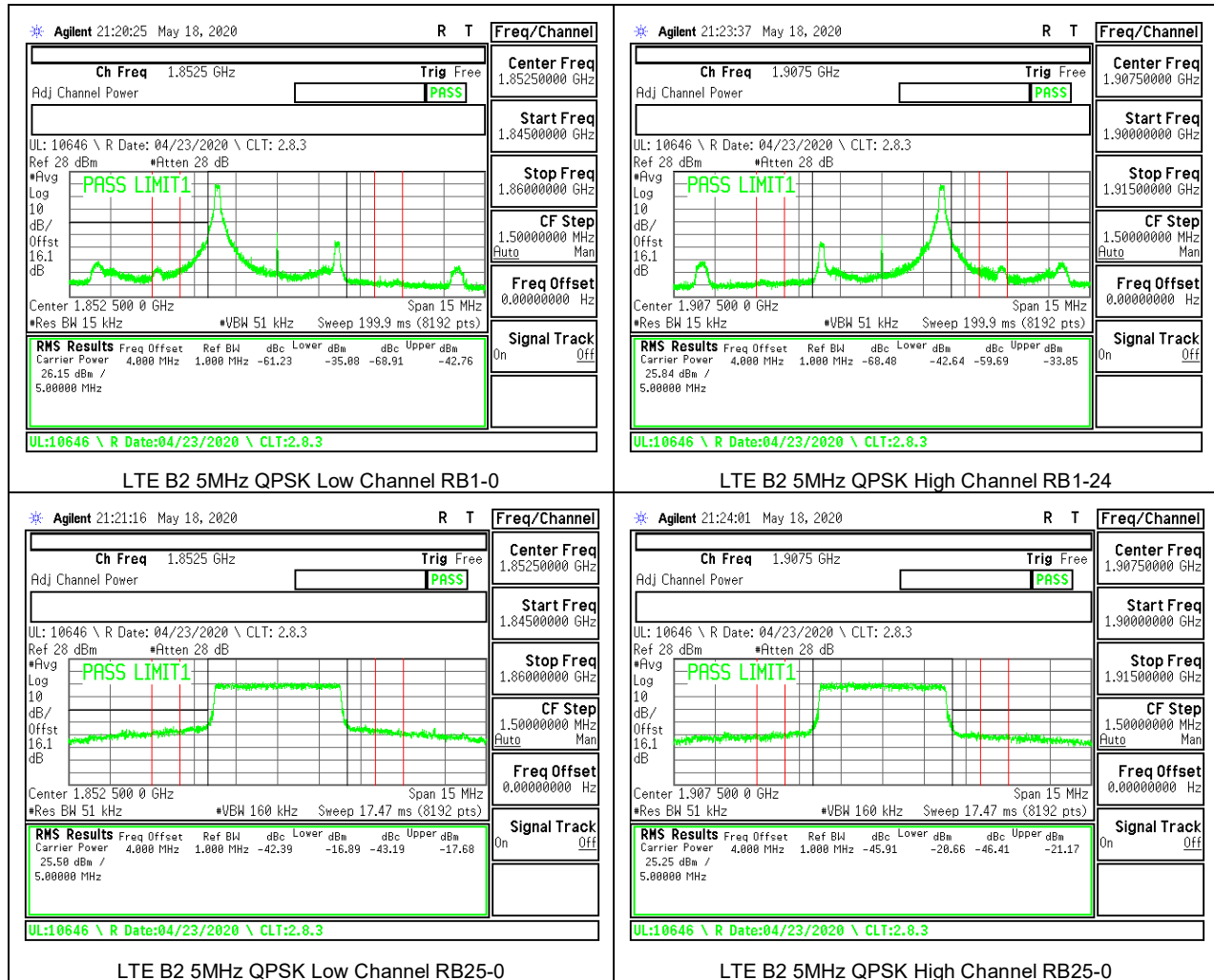
LIMITS

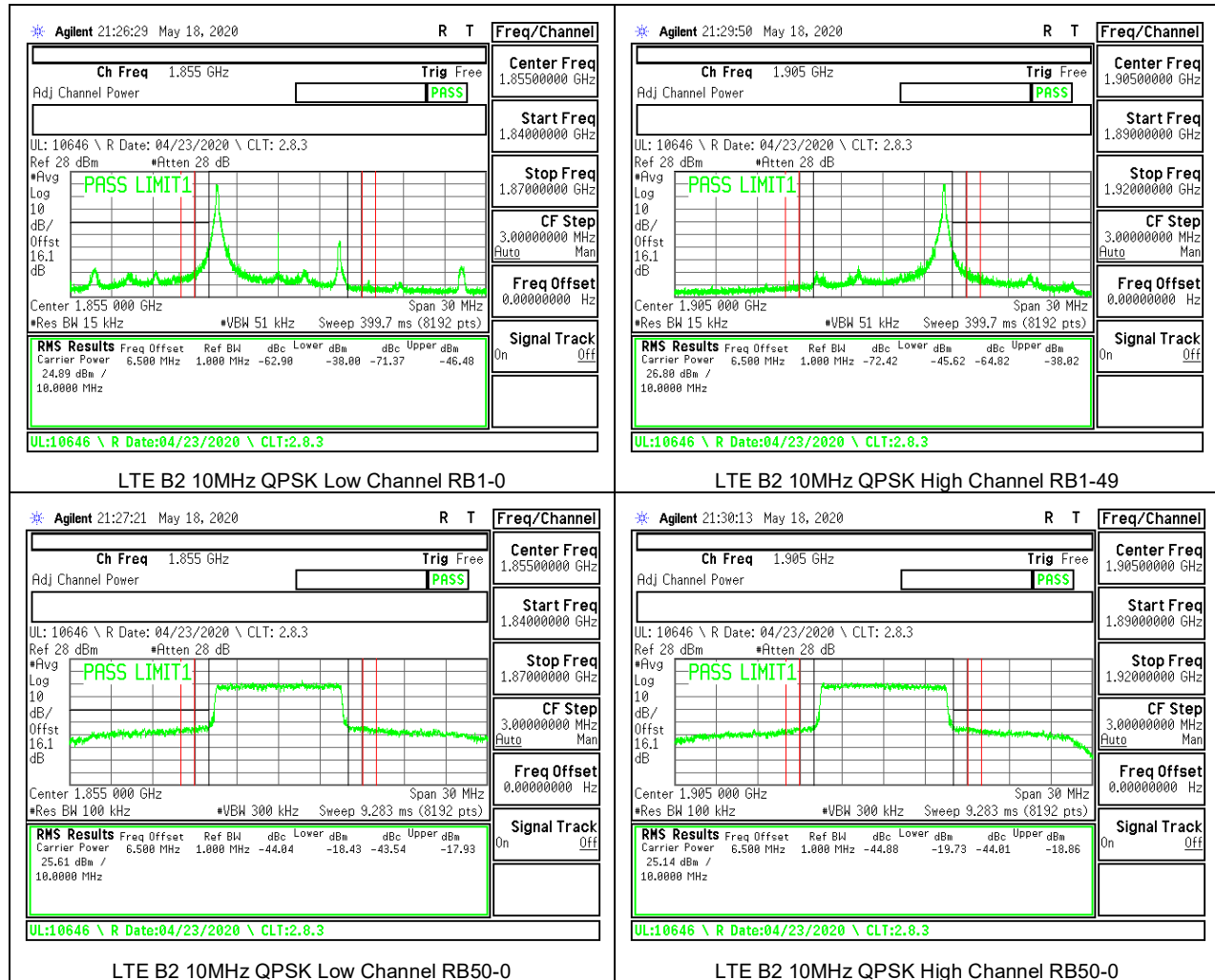
FCC: §24.238

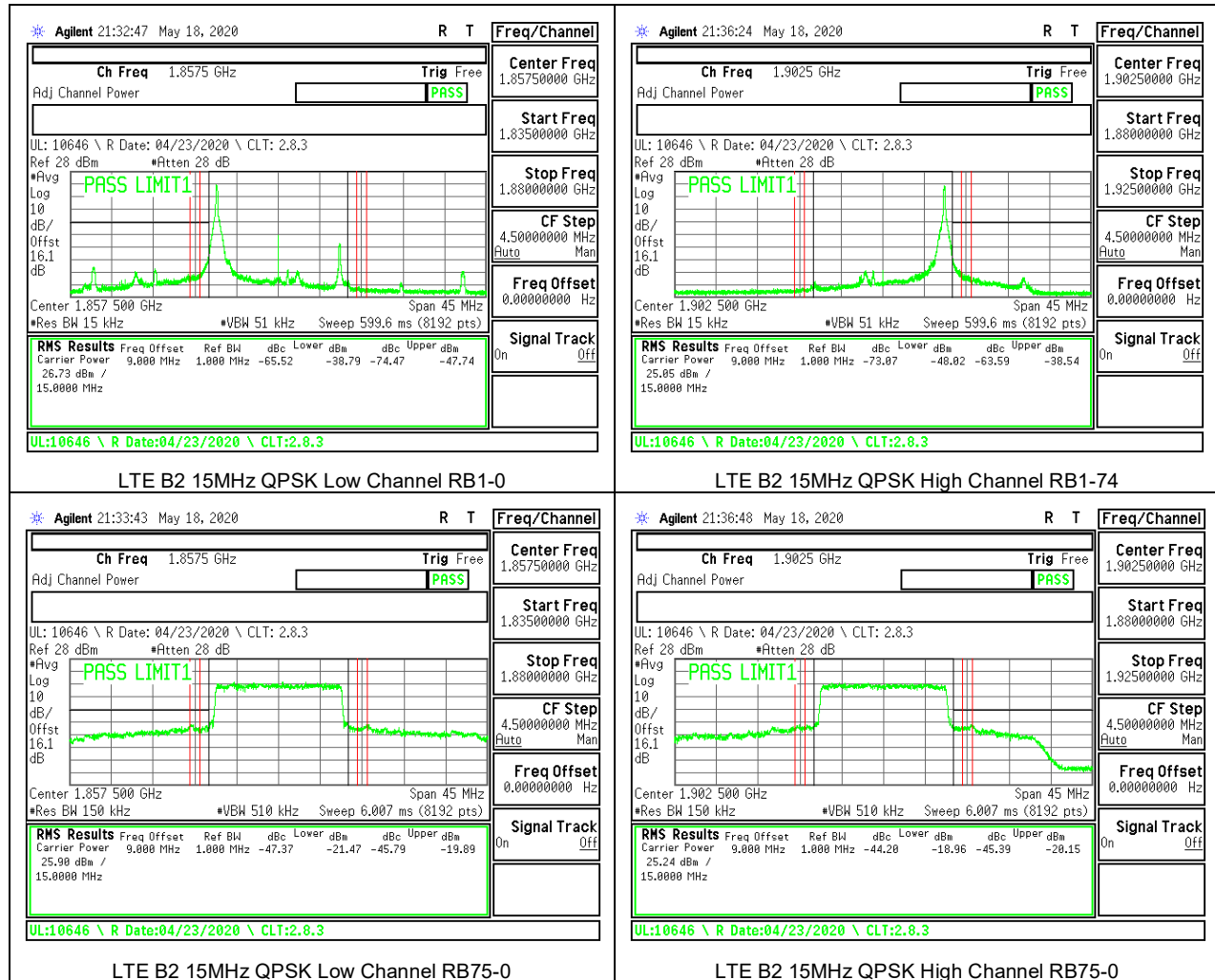
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

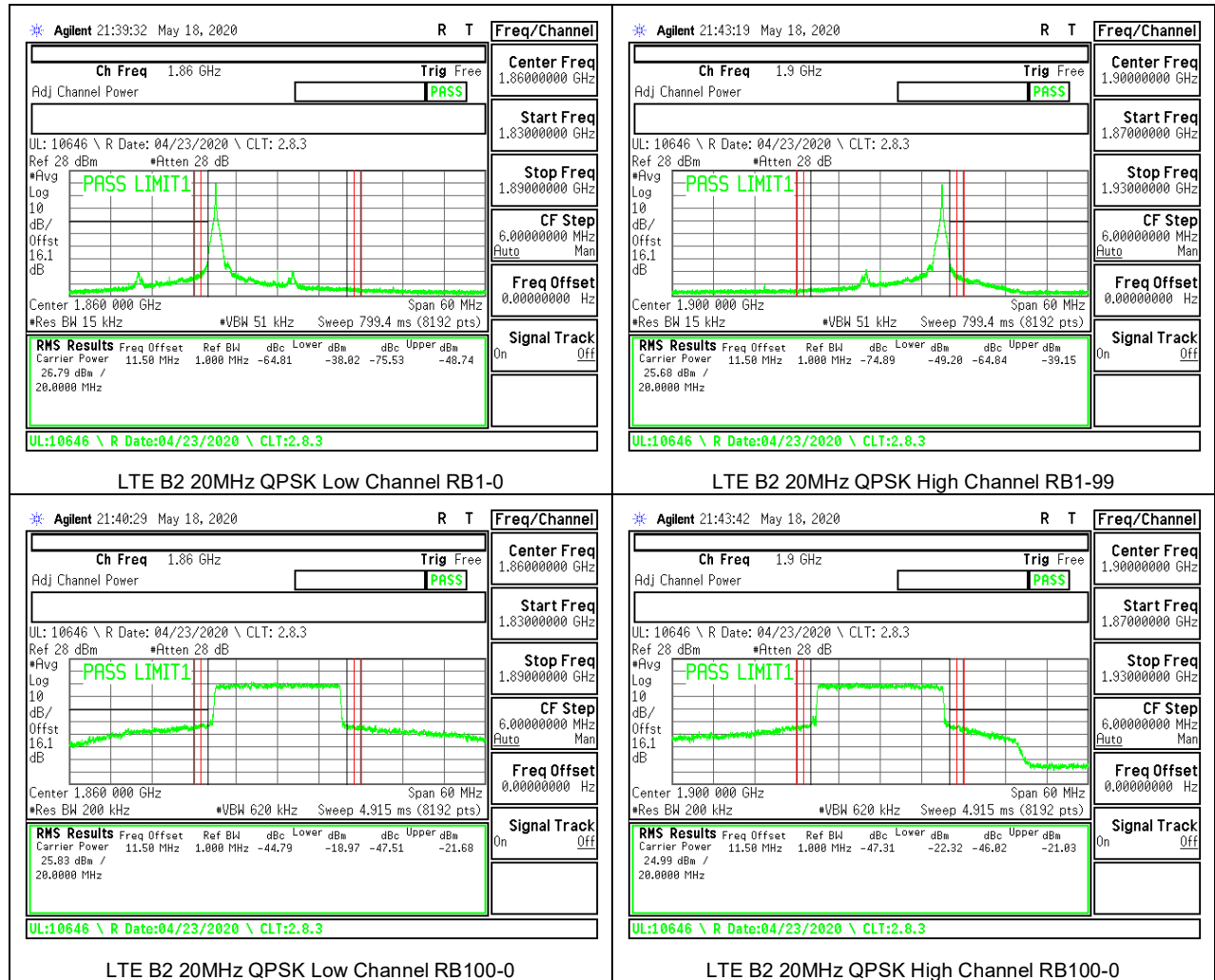












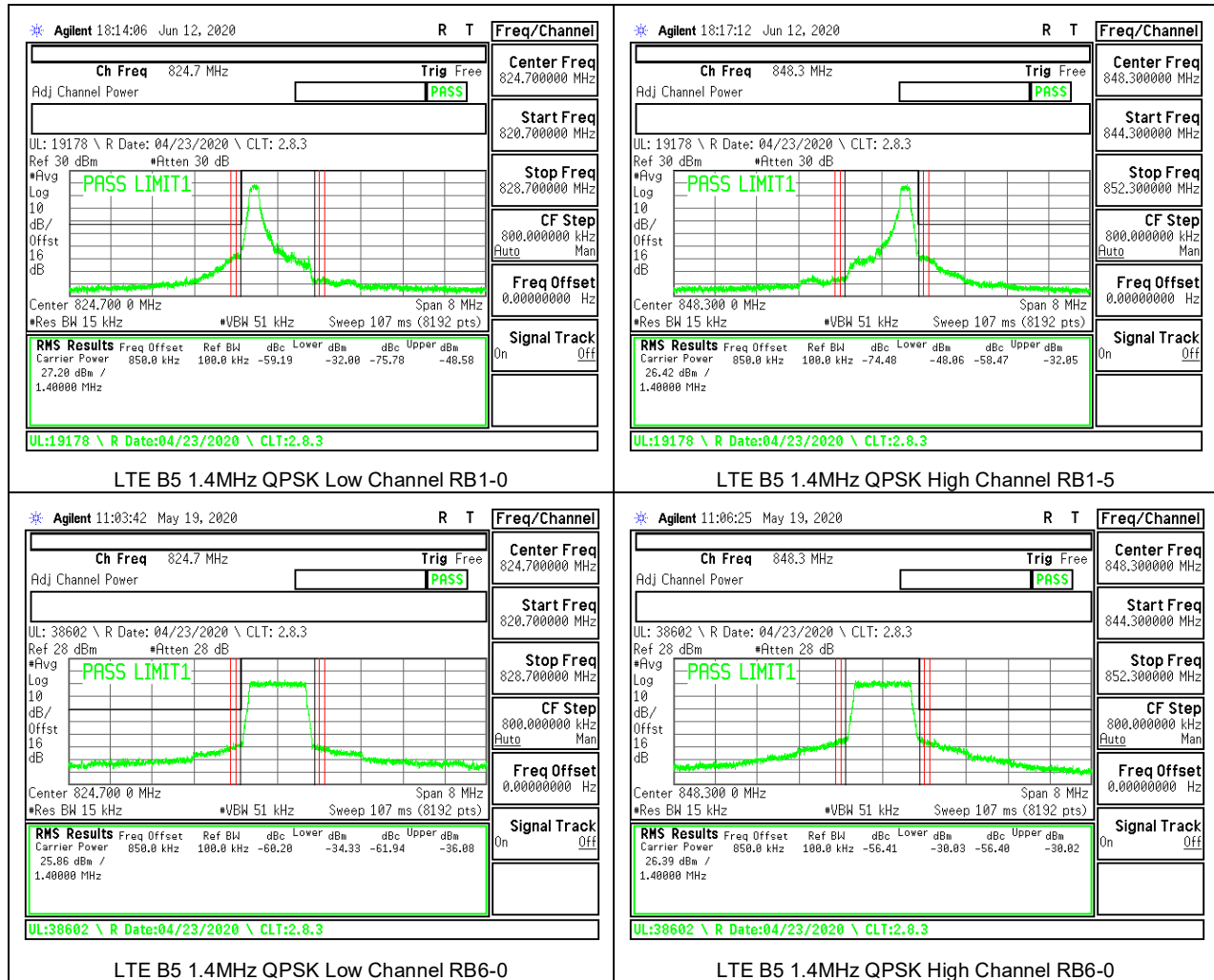
8.2.2. LTE BAND 5 AND 5G NR Band n5 BANDEDGE

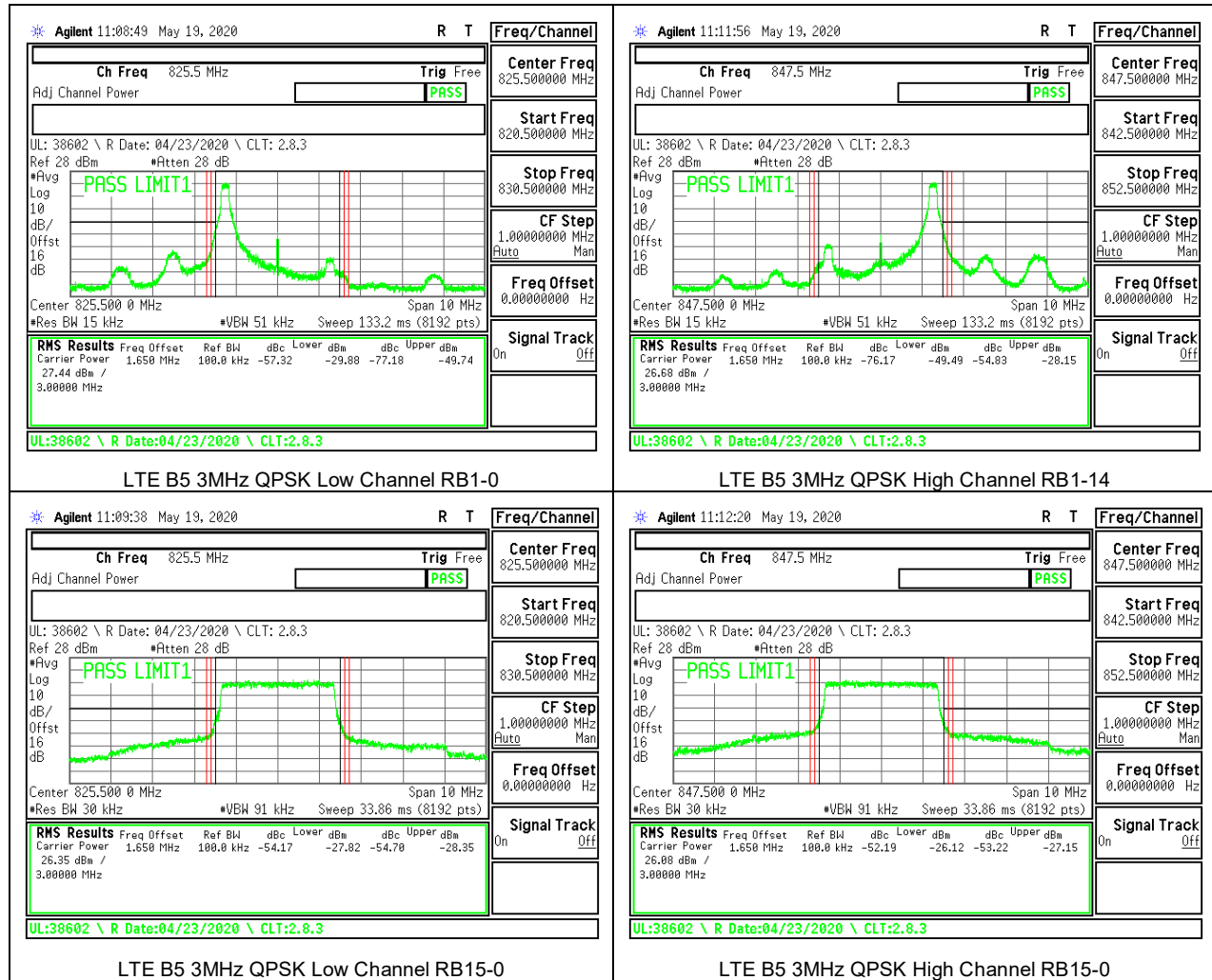
LIMITS

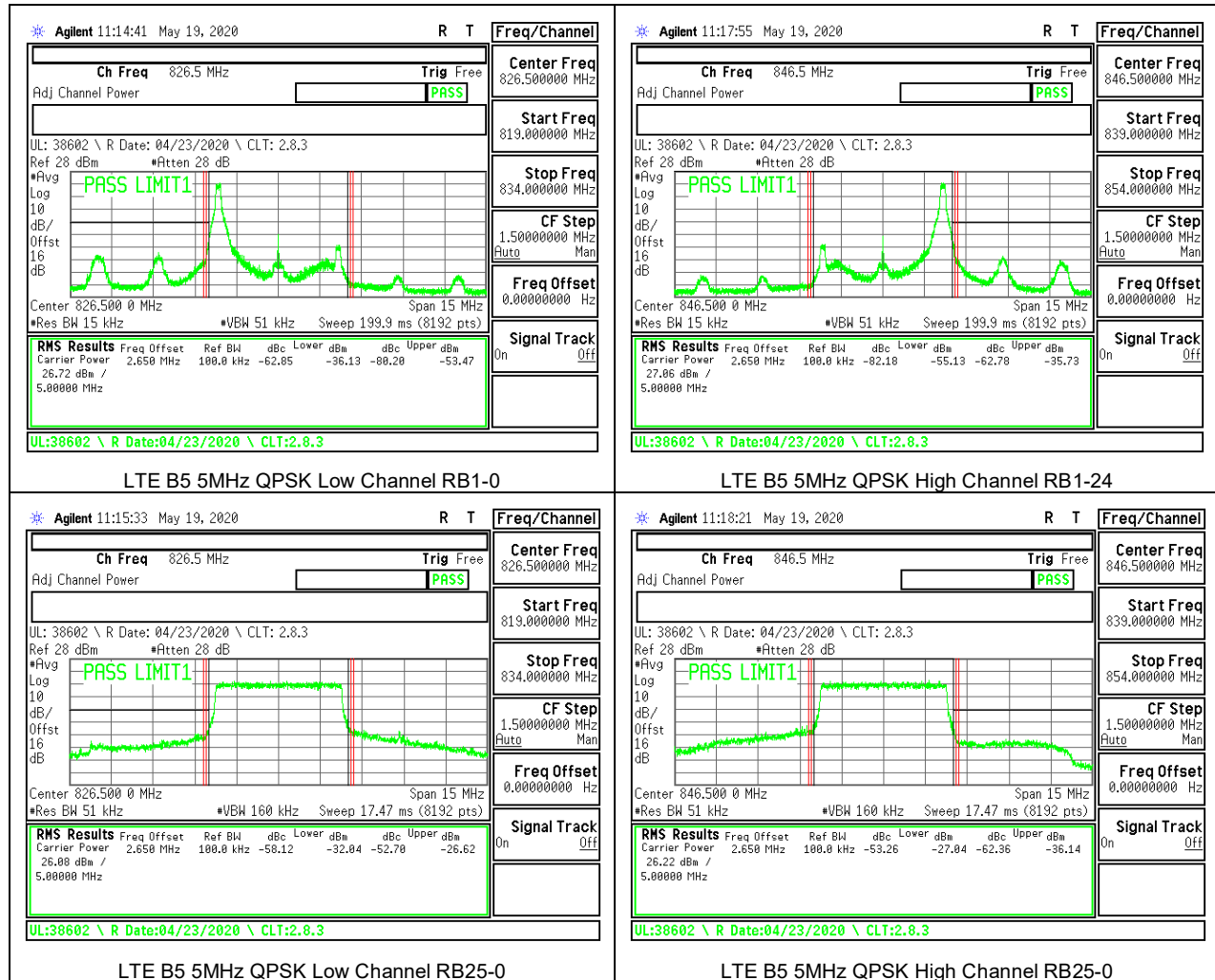
FCC: §22.917

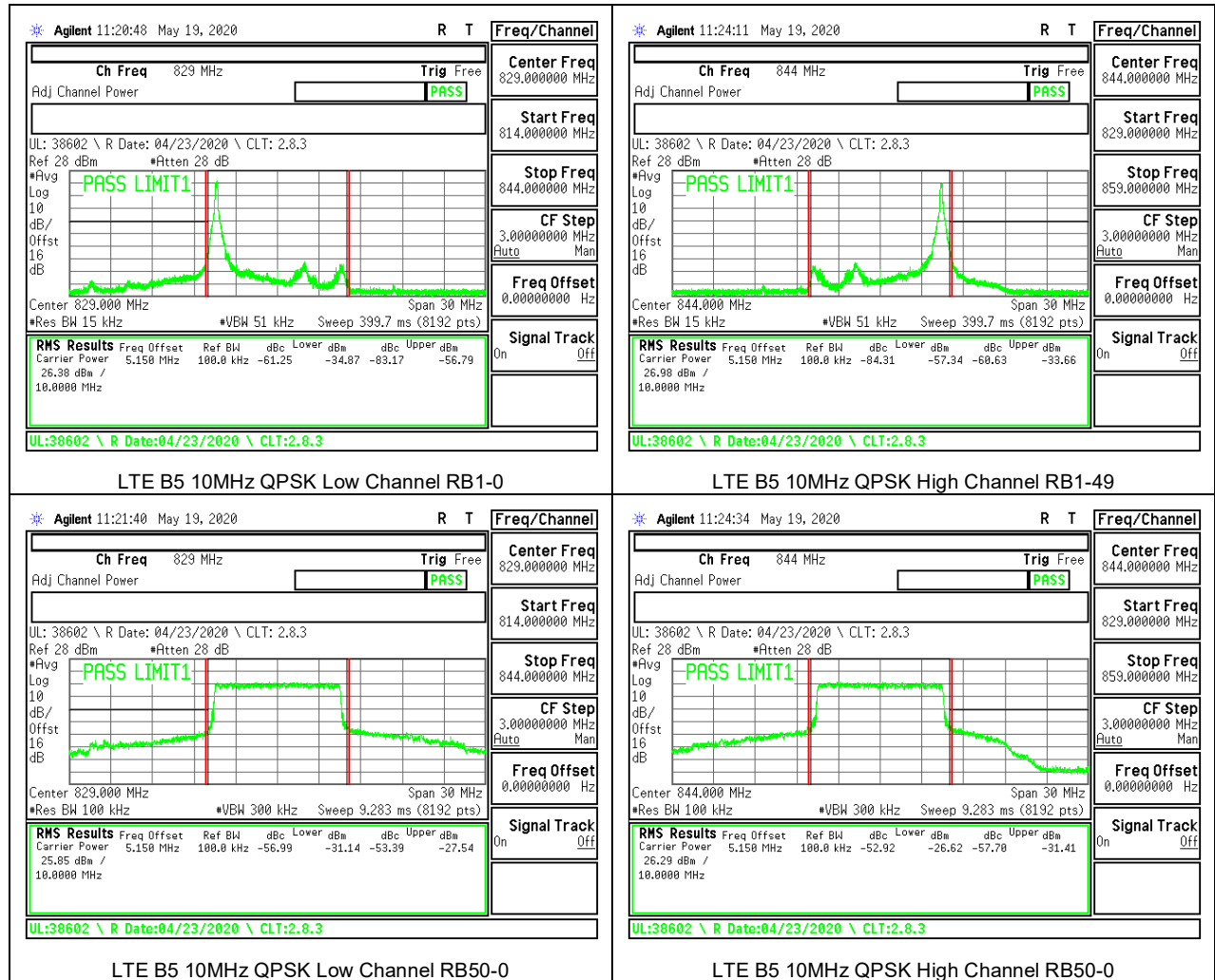
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

LTE BAND 5 BANDEGE

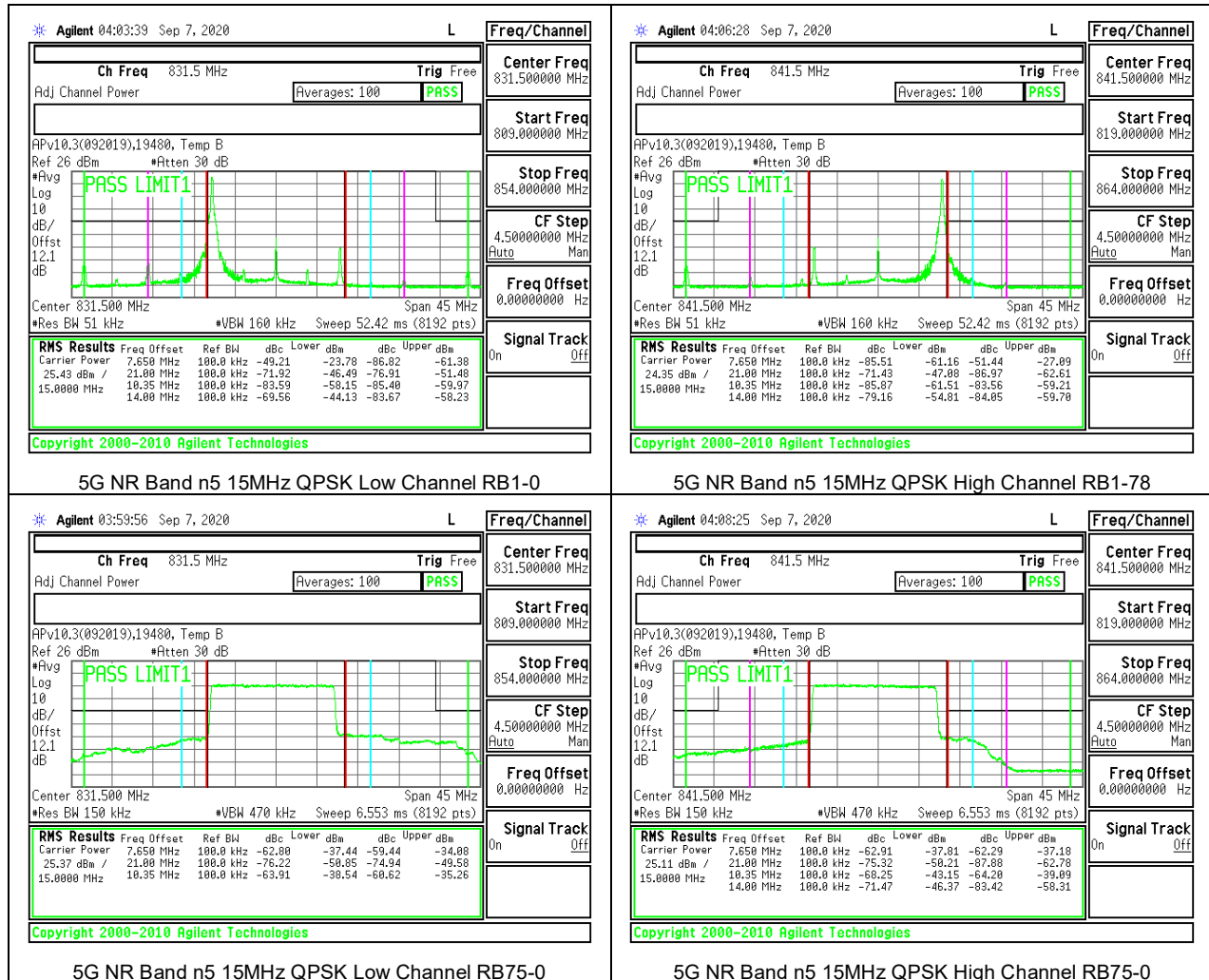


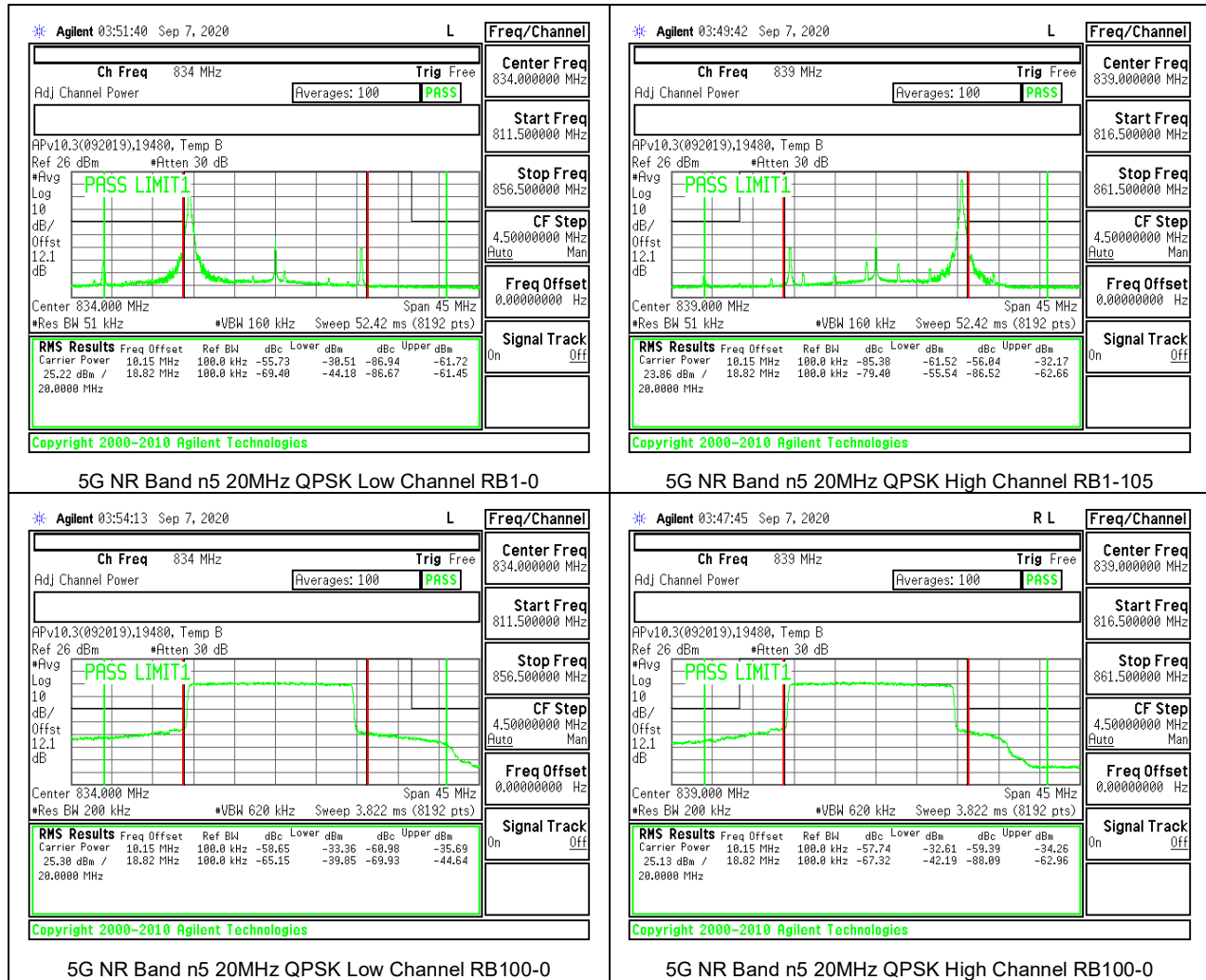






5G NR Band n5 BANDEDGE



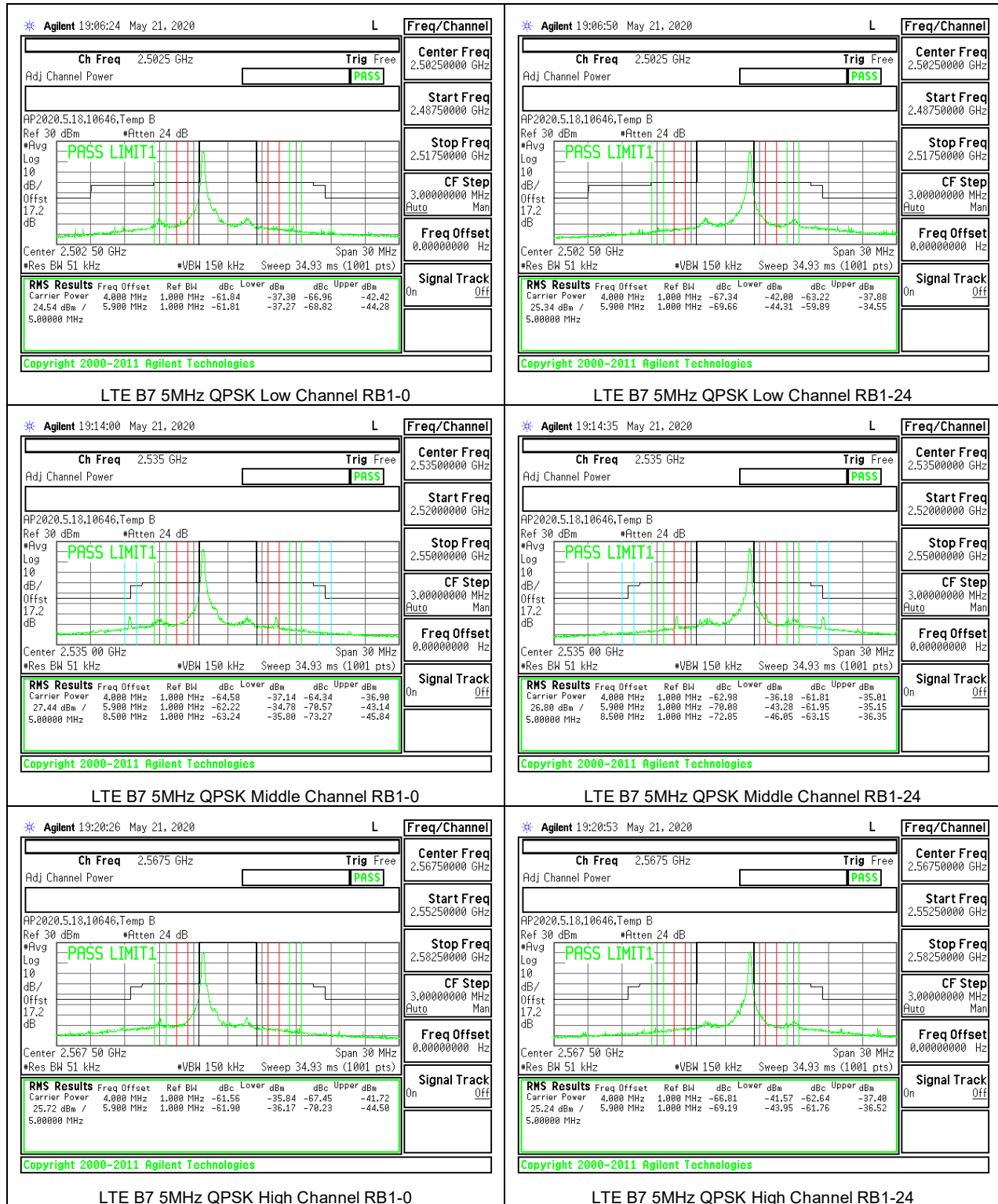


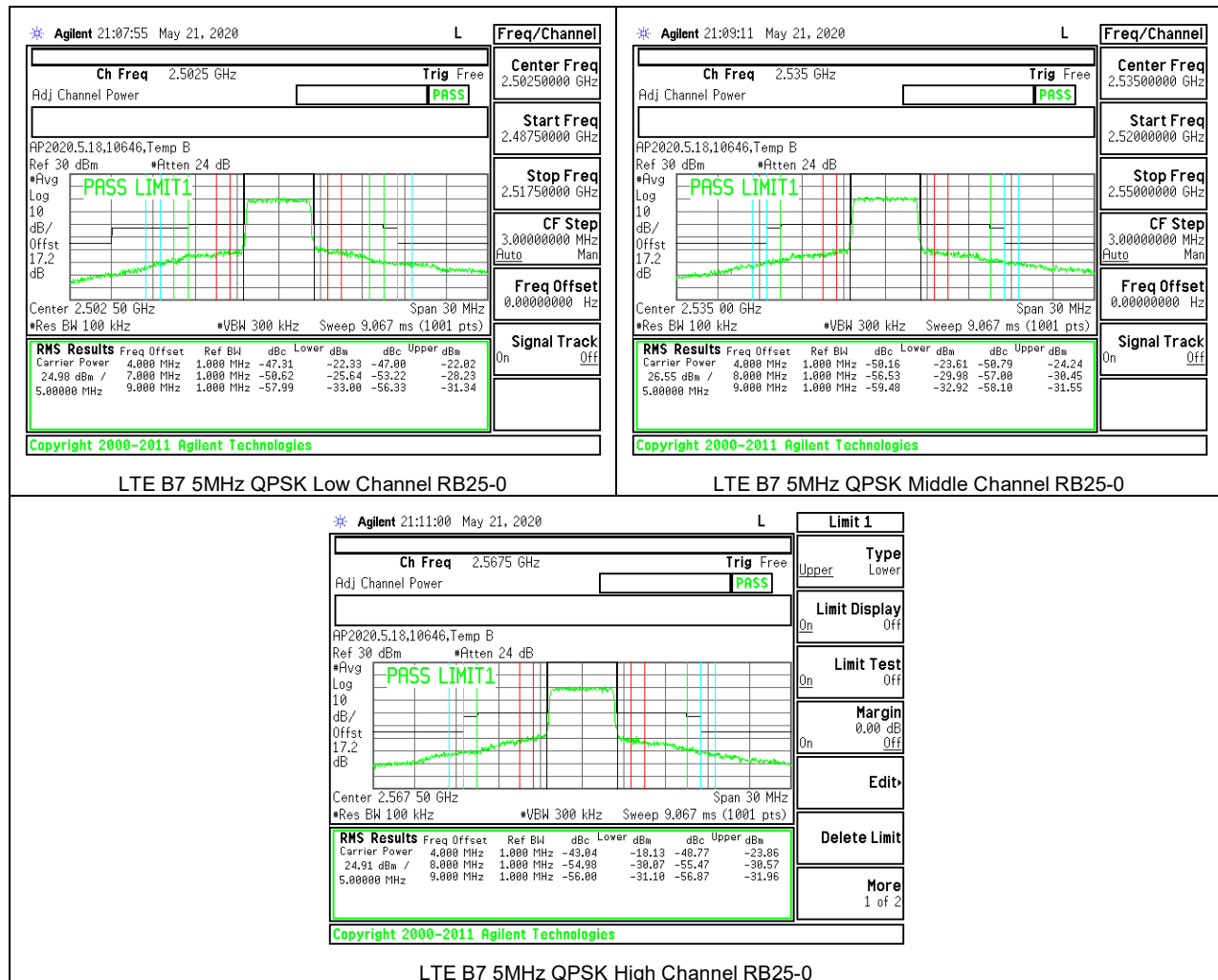
8.2.3. LTE BAND 7 ADJACENT CHANNEL POWER

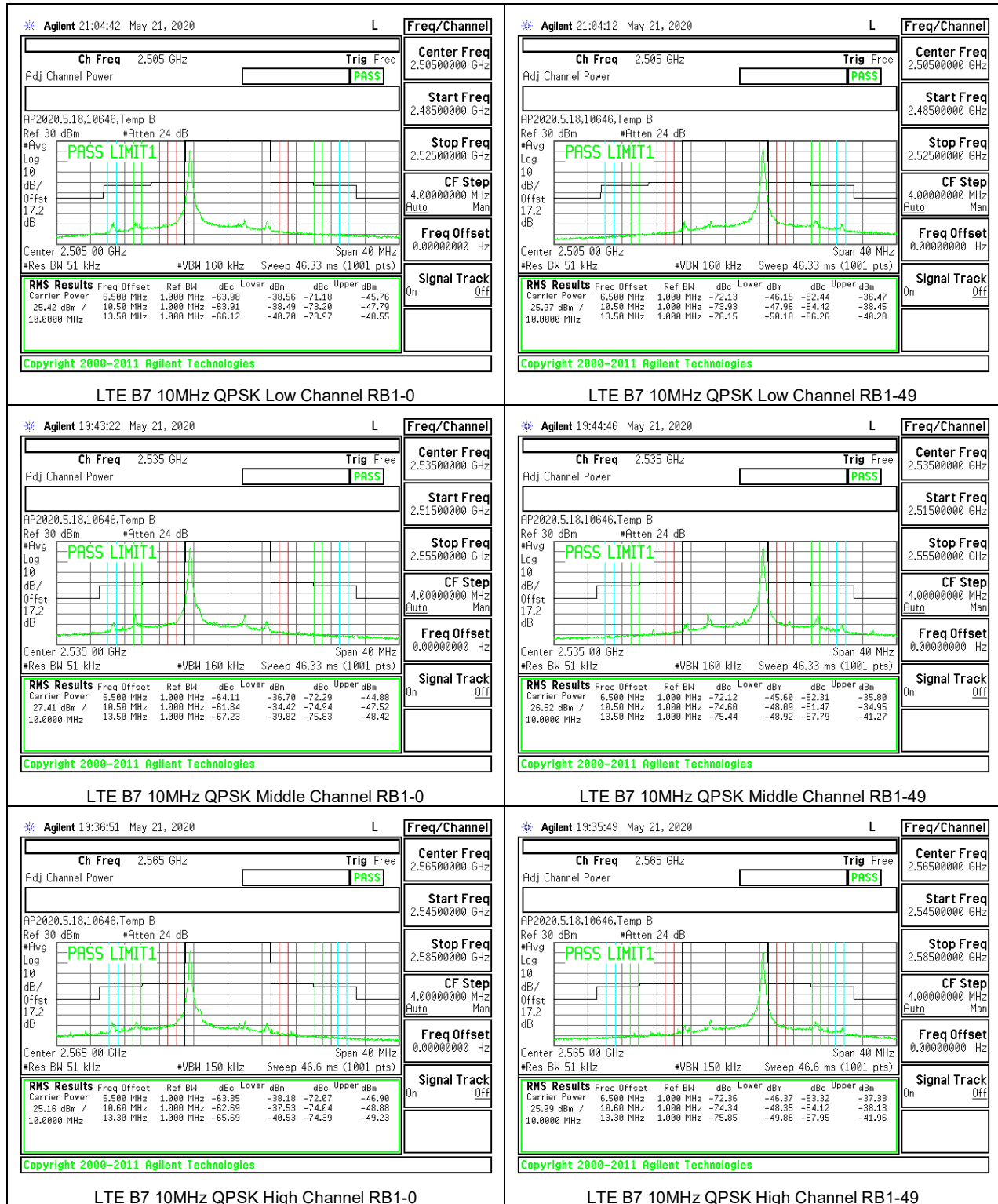
LIMITS

FCC: §27.53

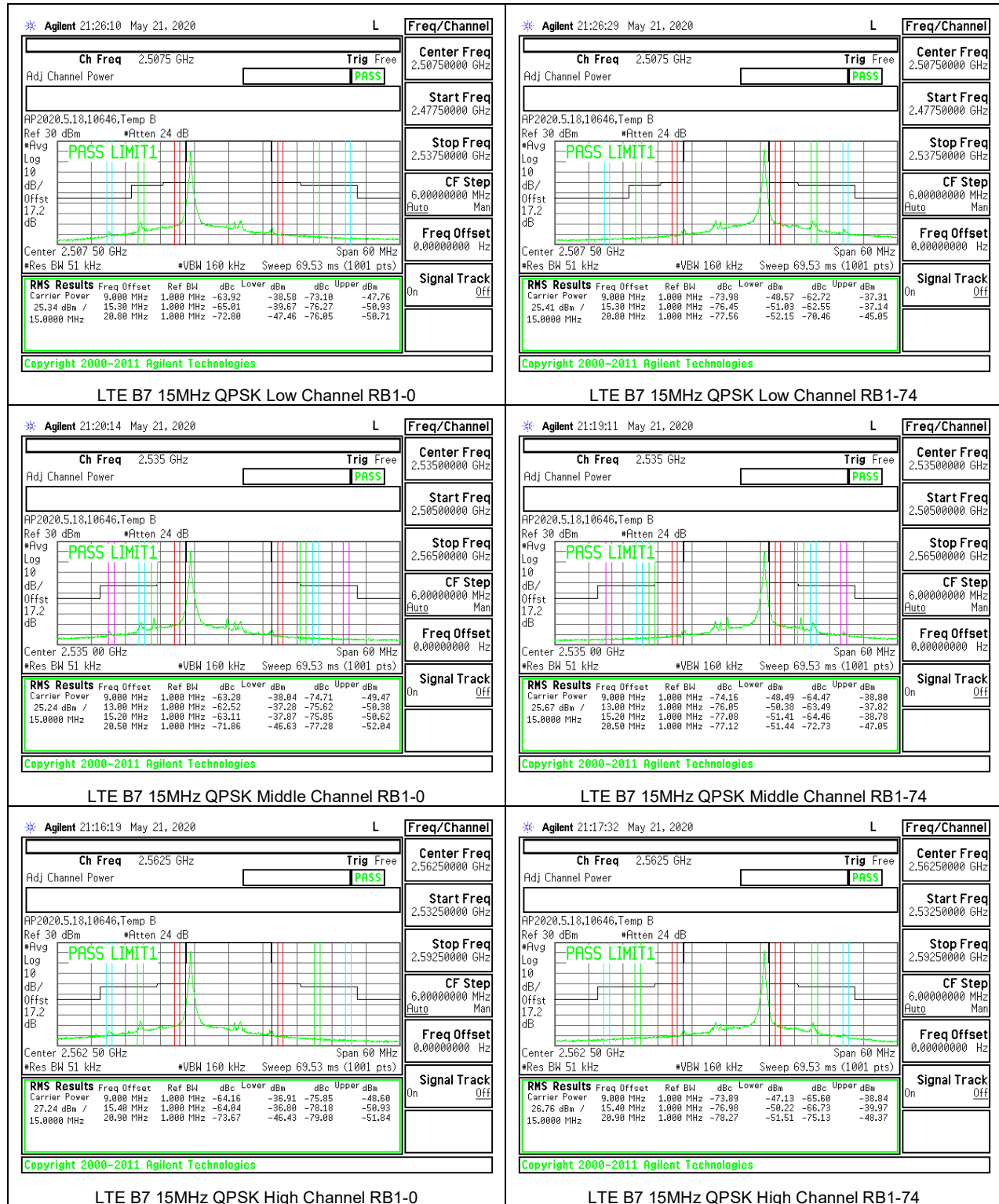
(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.



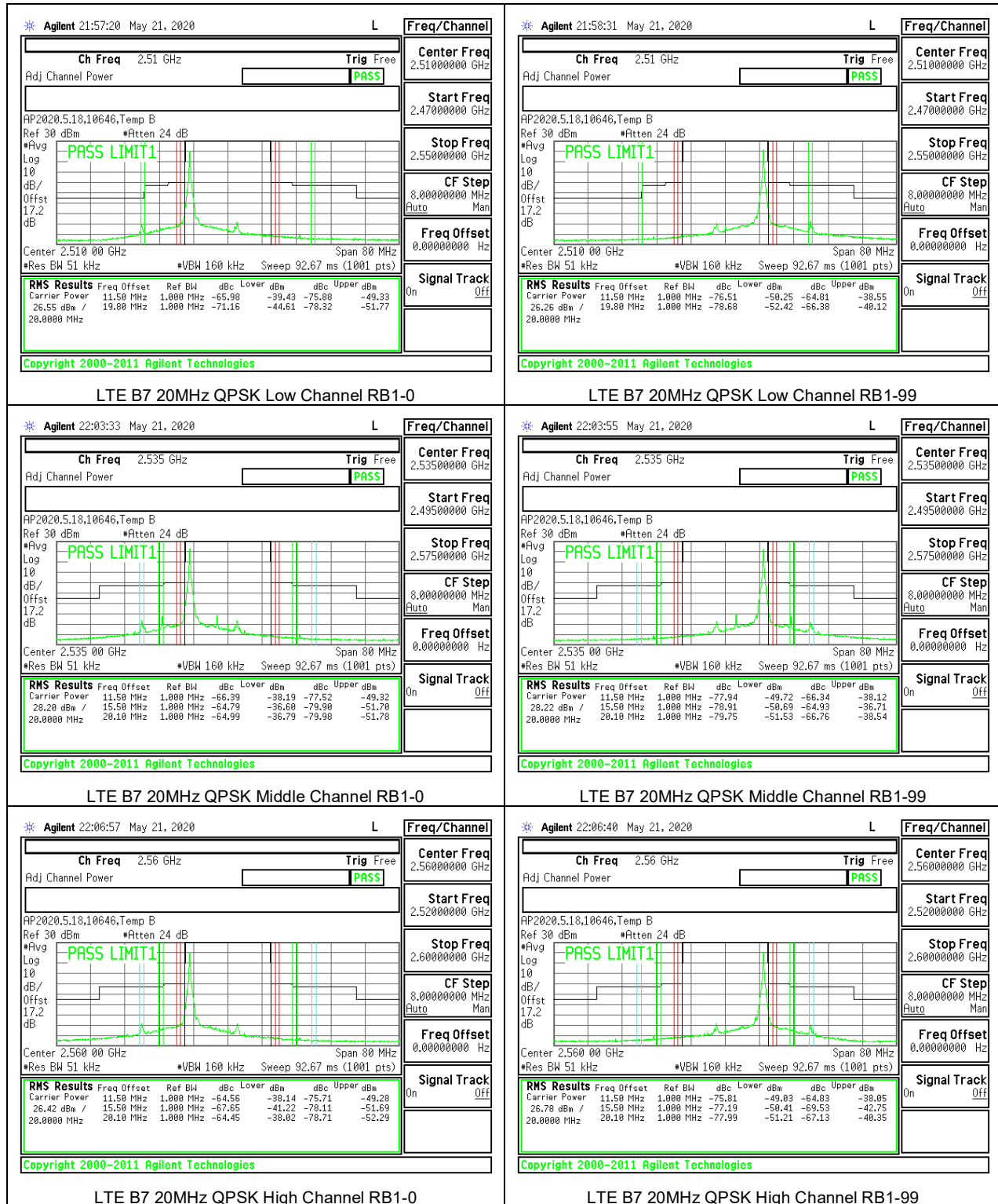














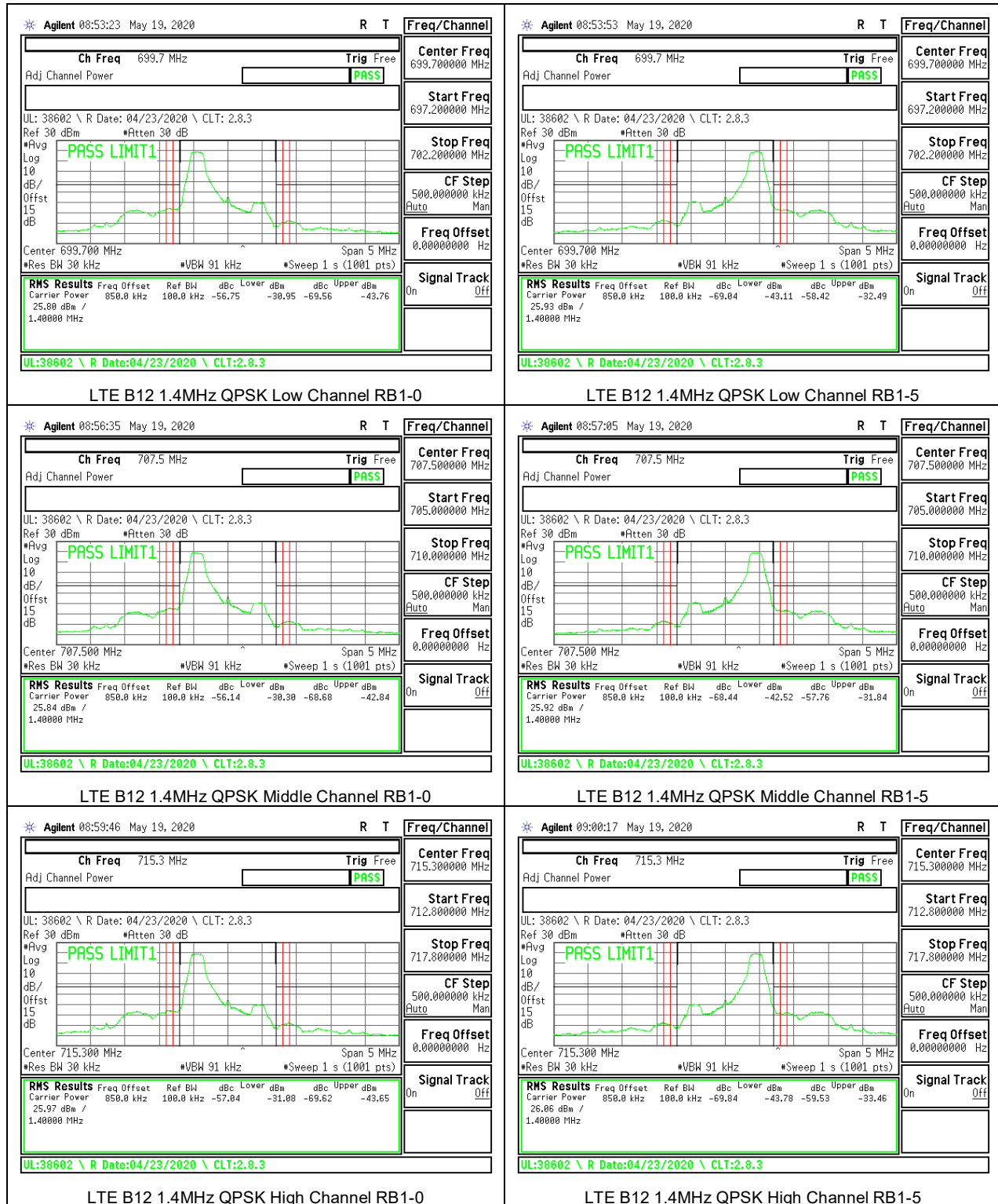
8.2.4. LTE BAND 12 AND 5G NR Band n12 ADJACENT CHANNEL POWER

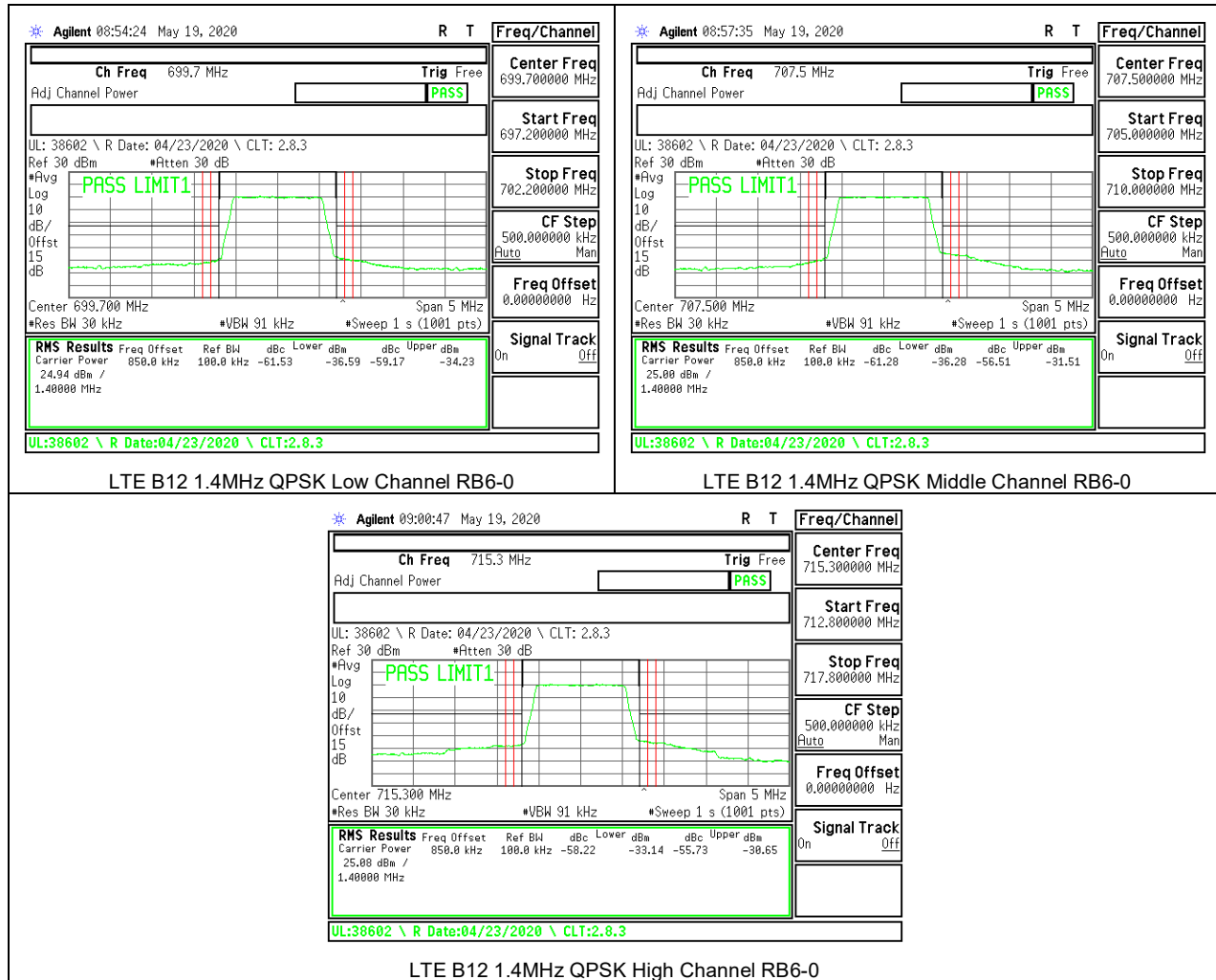
LIMITS

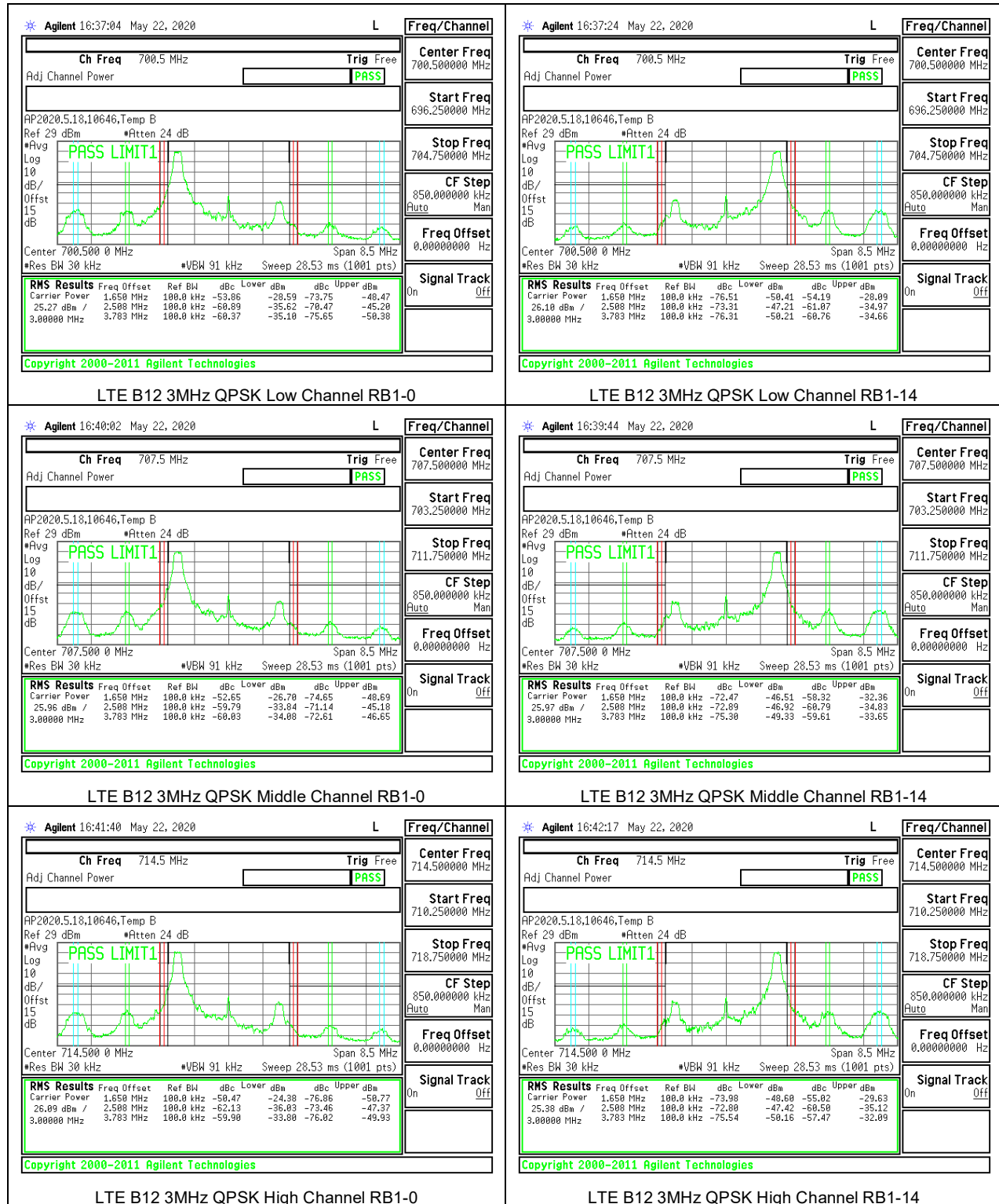
FCC: §27.53

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

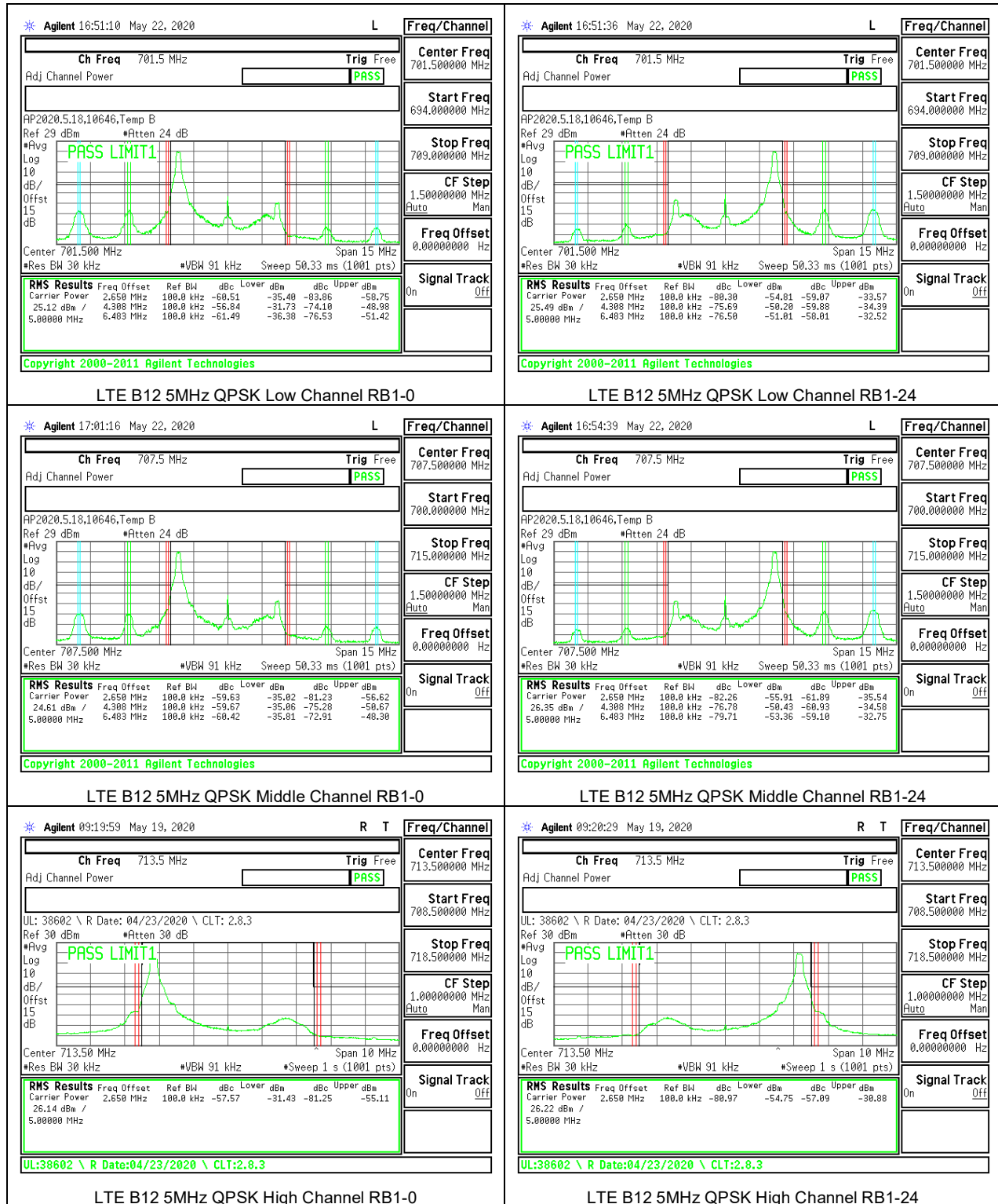
LTE BAND 12 ADJACENT CHANNEL POWER



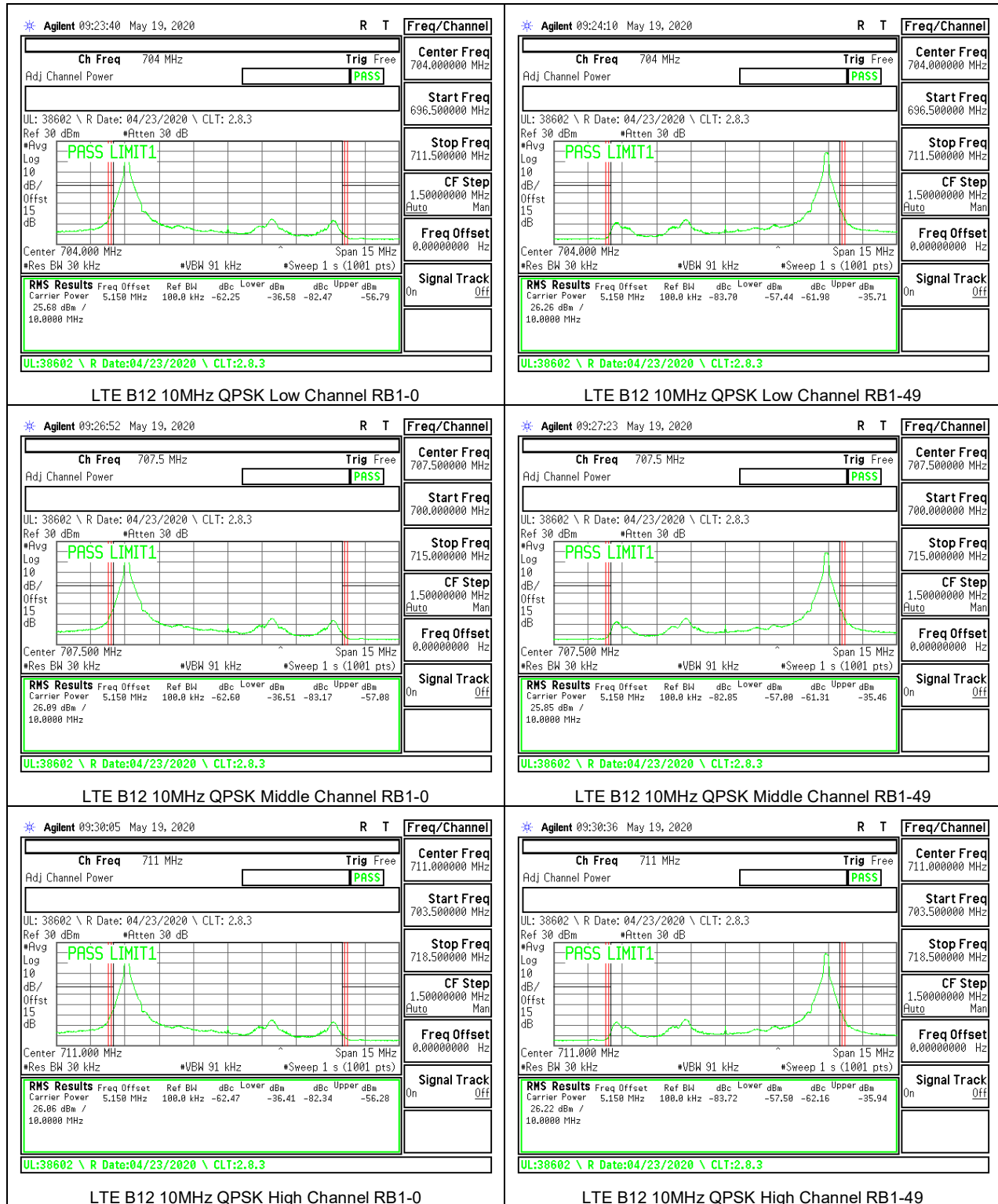






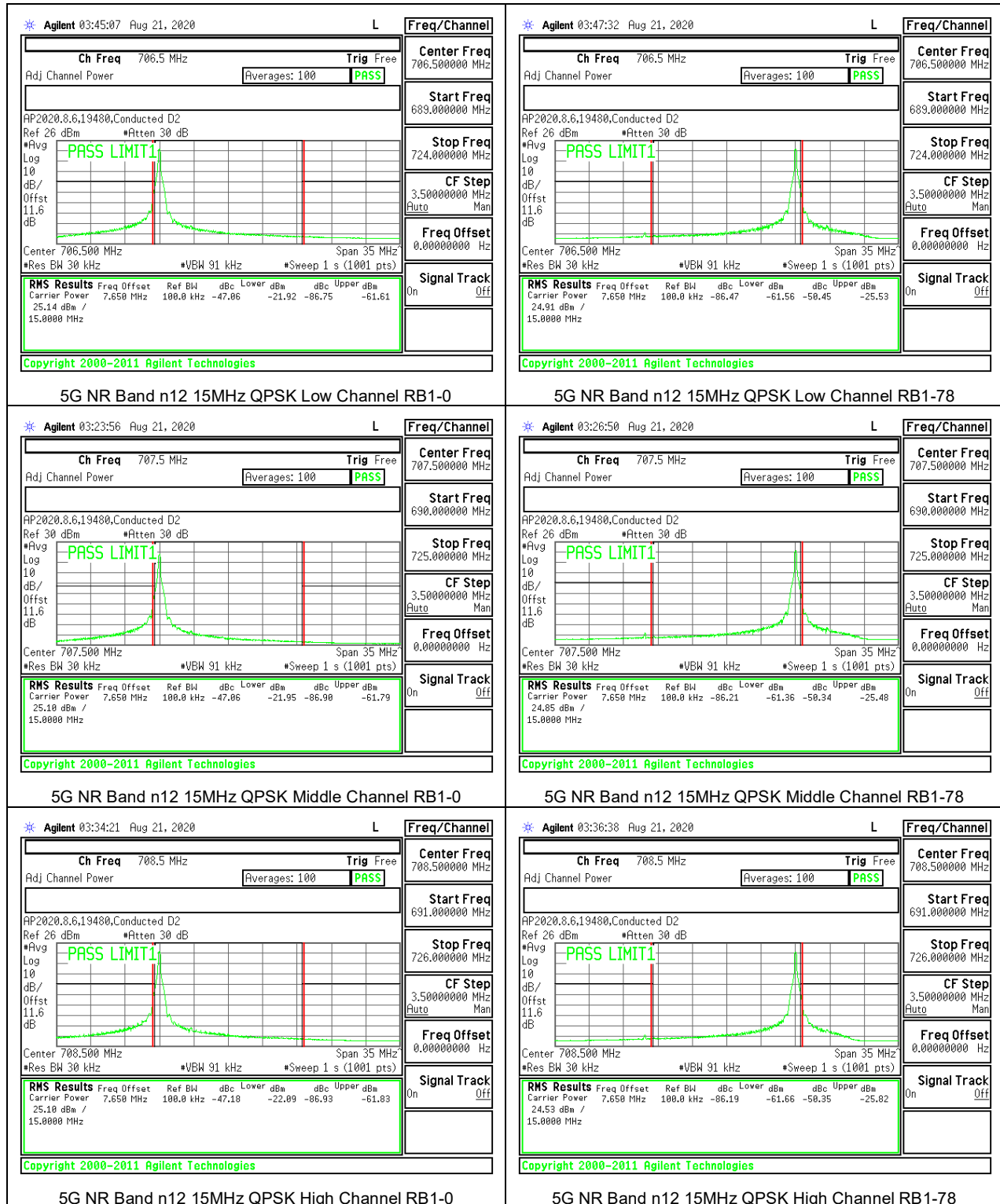


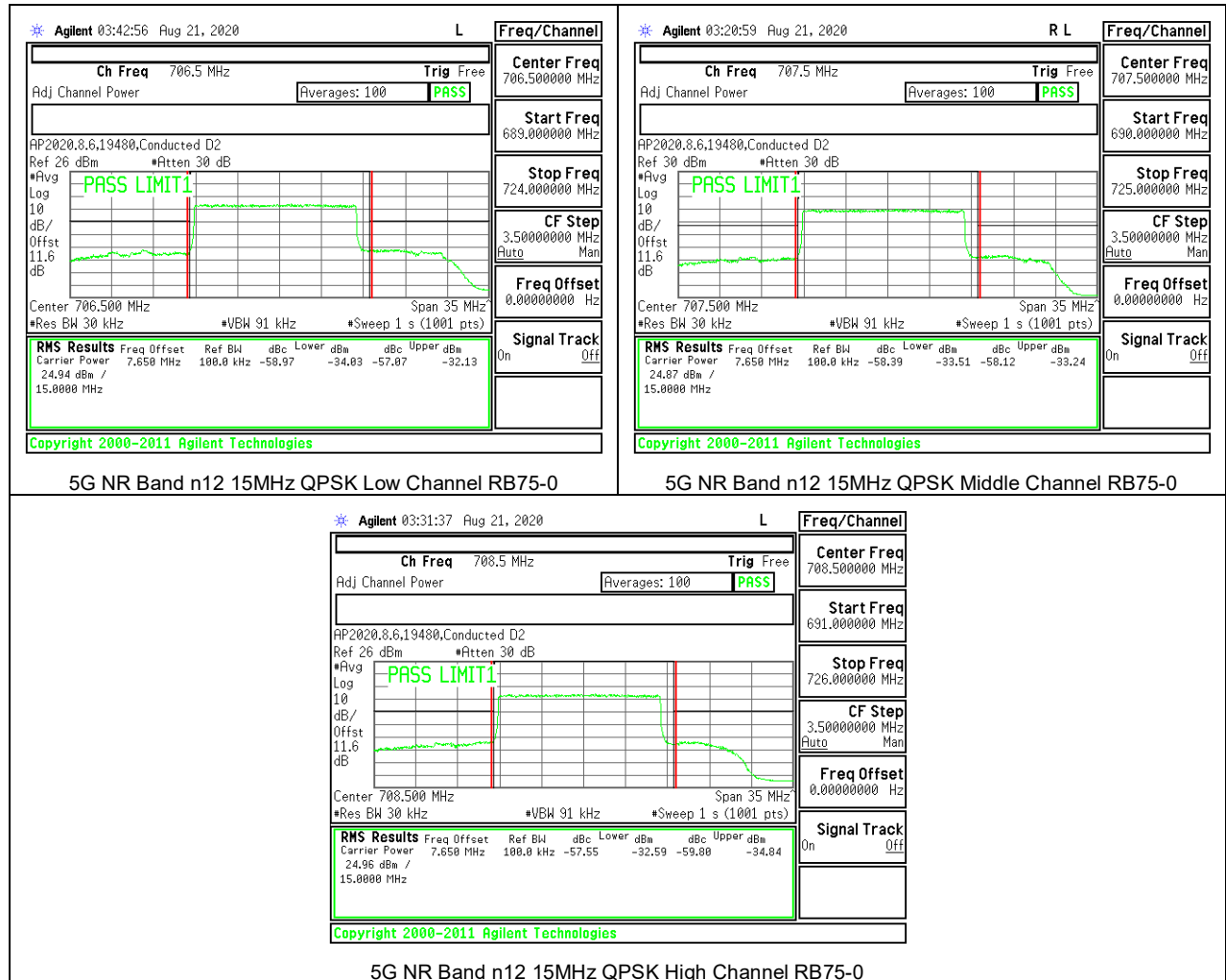






5G NR Band n12 ADJACENT CHANNEL POWER





8.2.5. LTE BAND 13 ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

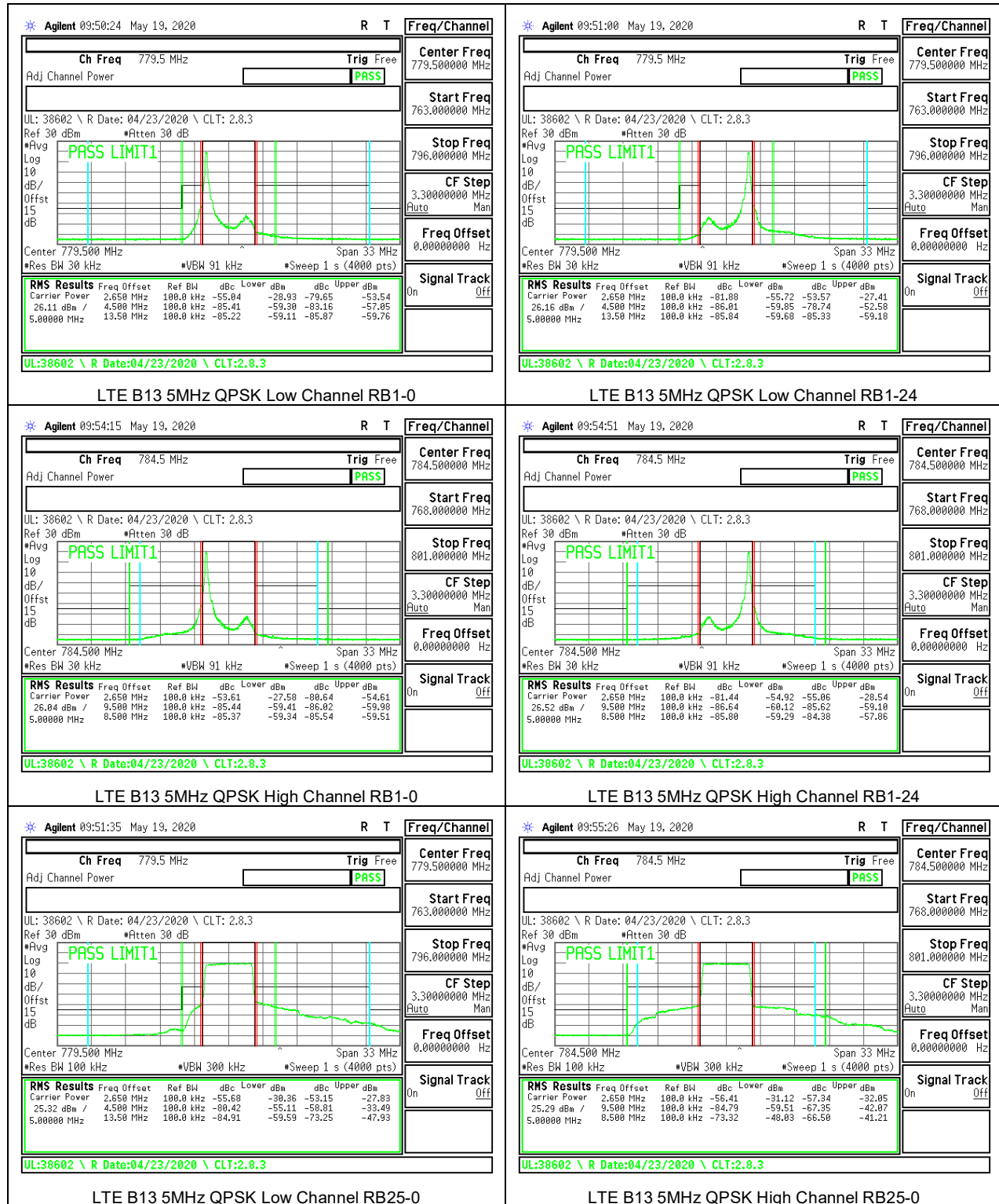
(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

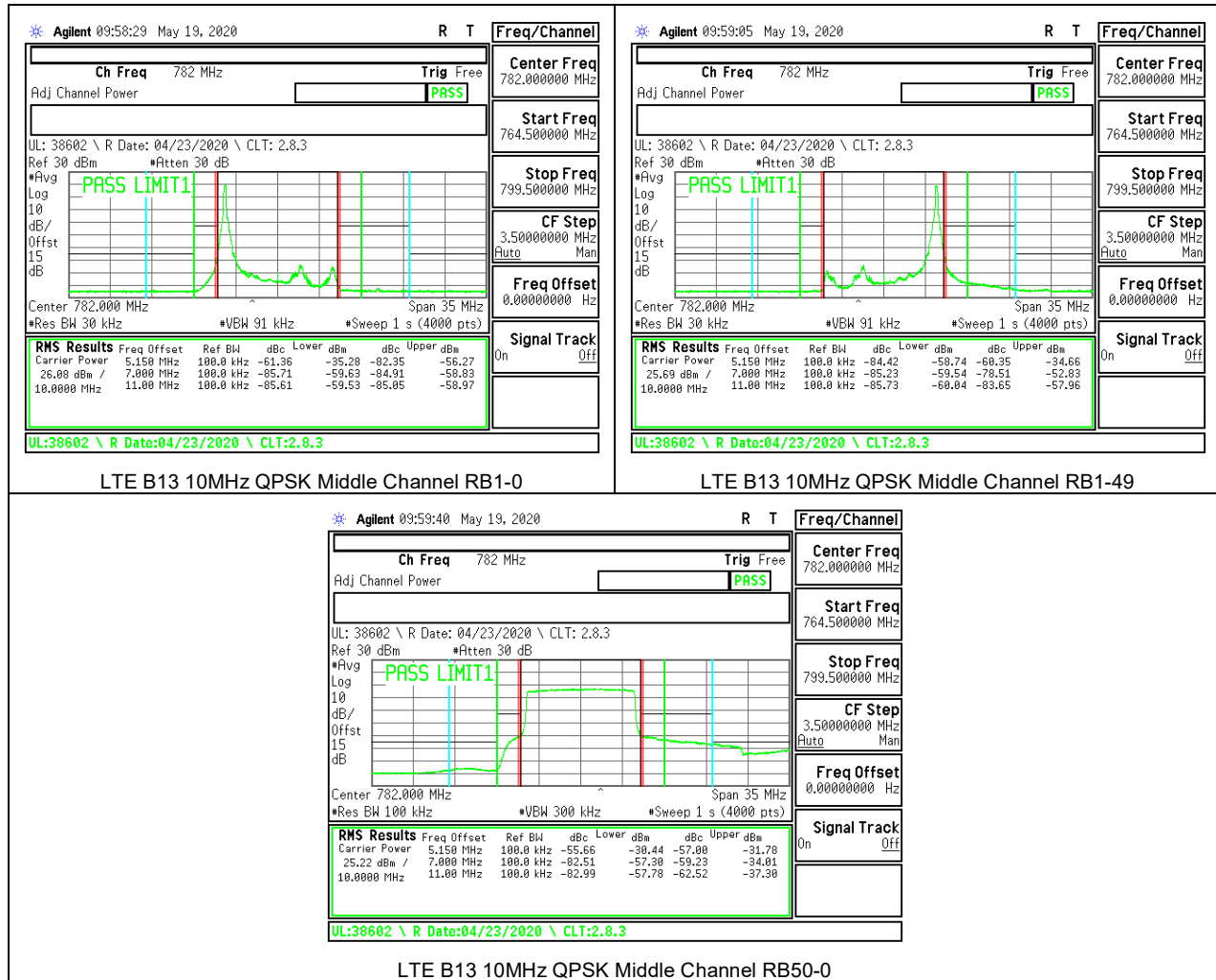
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).





8.2.6. LTE BAND 14 ADJACENT CHANNEL POWER

LIMITS

FCC: §90.543 Emission Limitations.

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

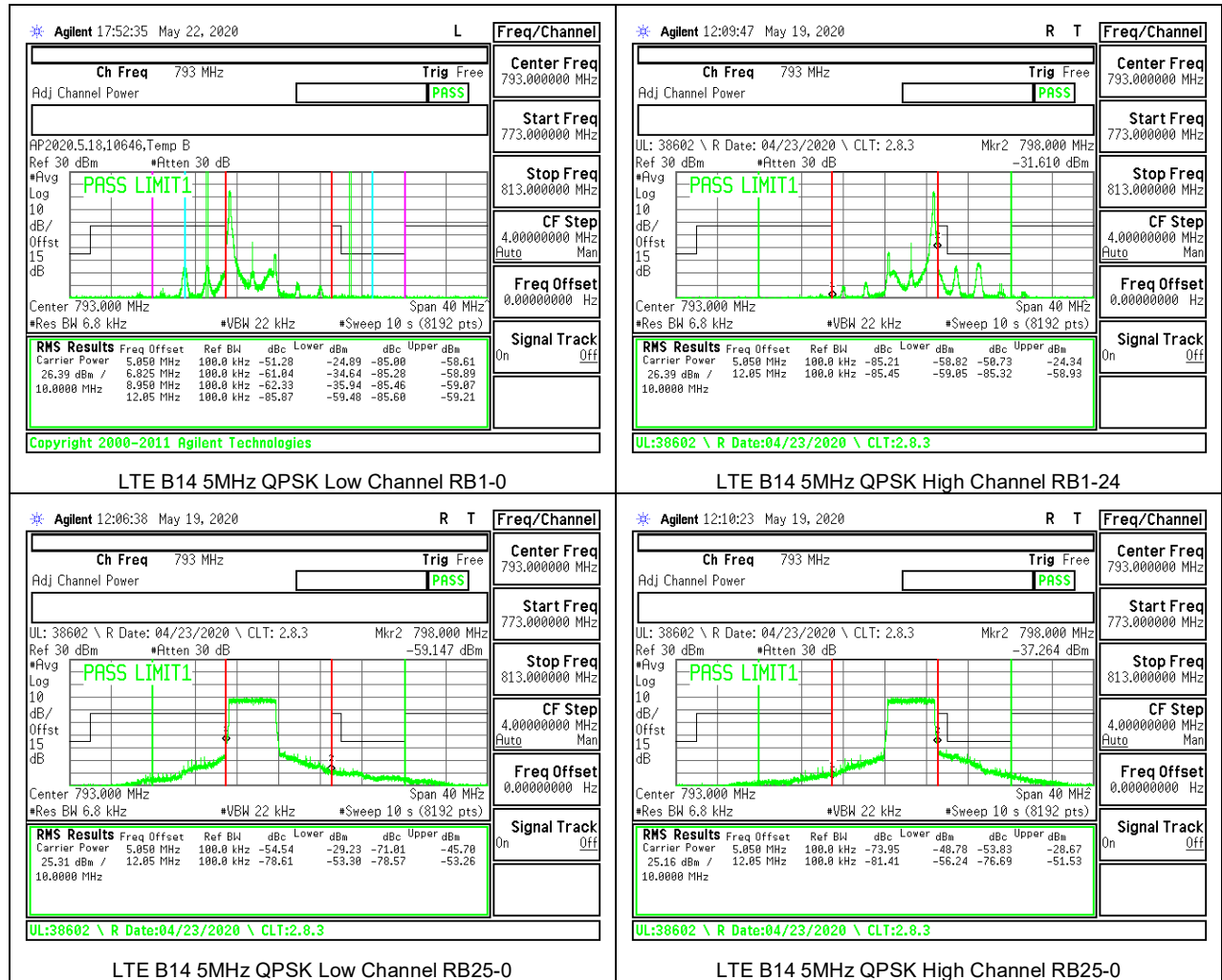
(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

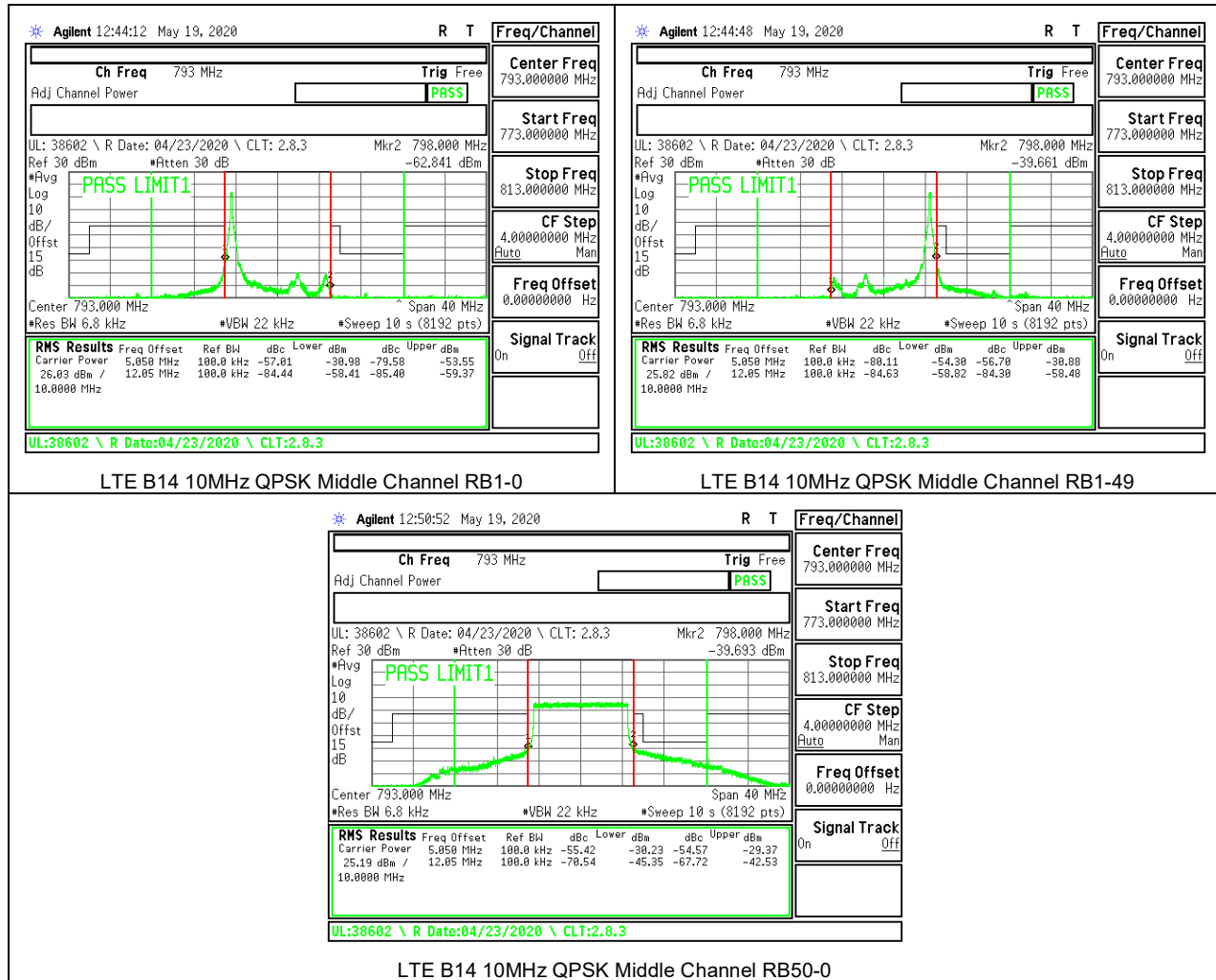
(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.





8.2.7. LTE BAND 17 BANDEDGE

LIMITS

FCC: §27.53

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.